A Comprehensive Introduction to Nostratic Comparative Linguistics

With Special Reference To Indo-European

VOLUME 4

Allan R. Bomhard

THIRD EDITION

2018

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Volume 4

By
Allan R. Bomhard

THIRD REVISED, CORRECTED, AND EXPANDED EDITION

FLORENCE, SC
2018

Bomhard, Allan R. (1943—)

A Comprehensive Introduction to Nostratic Comparative Linguistics: With Special Reference to Indo-European
By Allan R. Bomhard

(1) Nostratic Hypothesis; (2) Comparative Linguistics; (3) Proto-Indo-European. 2018.

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Revised July 2020.

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	*maʔ-a	847
	*mal-a	859
	*man-g-a	872
	*mik'-a	896
abundant	*baǯ-a	42
	*t^{h}ir-a	208
	*k'an-a	471
	*maʔ-a	847
	*mal-a	859
	*man-g-a	872
abundant, to be	*baǯ-	42
	*maʔ-	847
accumulate, to	*k^{h}um-	450
accumulation	*k^{h}aw-a	436
	*k^{h}um-a	450
ache	*gal-a	362
	*nus^{y}-a	936
ache, to	*gal-	362
	*nus^{y}-	936
achieve, to	*sag- or *šag-	317
achieve an end or a goal, to	*t^{yh}ar-	259
acrid	*k^{h}ar-a	428
	*ħam-a	713
acrid, to be	*ħam-	713
acrid foodstuff, any	*ħam-a	713
acquainted with, to be or become	*baw-	39
acquire, to	*k'an-	469
acquisition	*sag-a or *šag-a	317
act	*daw-a	157
	*day-a	159
	*k^{wh}ey-a	527
	*k^{wh}ir-a	529
act with energy, to	*woy-	838
action	*t^{h}ik^{h}-a	206
	*k^{wh}ir-a	529
activate, to	*bad-	10
add together, to	*k'at^{h}-	483
addition	*waš-a	821
additional	*ʔap^{h}-a	640
advance	*t^{yh}ar-a	259
	*ʕat^{h}-a	757

English Meaning	Proto-Nostratic	Number
advance (in years), to	*ʕat^{h}-	757
advance to or toward an end or a goal, to	*t^{y}^{h}ar-	259
advanced	*ʕat^{h}-a	757
adze	*t^{h}ik^{h}-a	206
	*č'ir-a	341
affection	*p^{h}ar-a	98
	*ħan-a	715
affection for, to feel	*p^{h}ar-	98
affectionate, to be	*ħan-	715
afflict, to	*muŋ-	904
afflicted, to be	*ħag-	703
affliction	*hak'-a	689
	*ħag-a	703
	*muŋ-a	904
	*nus^{y}-a	936
aflame, to be	*hag-	687
afraid, to be	*p^{h}el-	116
	*p^{h}ir-	122
	*ħat'-	728
	*naħ-	922
against	*ʔan^{y}-	635
age	*ħay-a	733
	*ħay-w-a	733
	*wat^{h}-a	822
age, to	*wat^{h}-	822
aged	*s^{y}en^{y}-a	282
agitate, to	*dal-	149
	*dul-	173
	*k'al-	465
	*ɢal-	557
	*nad^{y}-	920
agitated, to be	*dal-	149
	*dul-	173
	*dul-	173
	*ɢal-	557
agitated, to be greatly	*p^{h}ar-	102
	*p^{h}ir-	120
agitation	*dal-a	149
	*dul-a	173
	*dul^{y}-a	174
	*k'al-a	465
	*ɢal-a	557
agreeable, to be	*mak'-	857

English Meaning	Proto-Nostratic	Number
ailment	*mar^{y}-*a*	885
aim	*$t^{y}{}^{h}$ar-*a*	259
alder	*wir-*a*	835
alike	*sam-*a*	322
alive	*ʔil-*a*	667
alive, to be	*ʔil-	667
	*ħay-	733
	*ħay-V-w-	733
allot, to	*bay-	40
	*xal-	770
allotment	*xal-*a*	770
alone	*k^{h}ay-*a*	437
	*k^{h}ay-w-*a*	437
	*ʔoy-*a*	681
	*xol-*a*	776
alone, to be	*ʔoy-	681
	*xol-	776
aloneness	*ʔoy-*a*	681
along with	*da- (~ *də-)	143
	*k^{h}am-	415
also	*k^{wh}ay-	525
	*ʔap^{h}-	640
	*wa- (~ *wə-)	792
among	*mat^{h}- or *met^{h}-	886
amount	*mad-*a*	848
	*mat'-*a*	887
and	*ħar^{y}-	725
	*wa- (~ *wə-)	792
anger	*$q^{h}at^{h}$-*a*	574
angle	*k'un-*a*	504
animal, wild	*guw-*a*	400
	*guw-r-*a*	400
animals, to hunt wild	*guw-	400
	*guw-V-r-	400
ankle	*gam-*a*	365
announce, to	*bak^{h}-	16
announcement	*bak^{h}-*a*	16
annoy, to	*nad^{y}-	920
annoyance	*nad^{y}-*a*	920
annoying	*nad^{y}-*a*	920
annoying, to be	*nad^{y}-	920
anoint (with greast, oil, fat, ointment), to	*mar-	881
another [indefinite pronoun stem]	*ma- (~ *mə-),	

English Meaning	Proto-Nostratic	Number
	**mi-* (~ **me-*), **mu-* (~ **mo-*)	844
anus	**k'uŋ-a*	505
anybody [indefinite pronoun stem]	**ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*)	844
anyone [indefinite pronoun stem]	**ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*)	844
apart from, to be	**xol-*	776
appear, to	**wilʸ-*	833
	**nʸaʕ-V-r-*	937
appearance	**sam-a*	322
	**k'al-a*	466
	**wilʸ-a*	833
apportion, to	**bay-*	40
	**xal-*	770
approach	**tʸʰar-a*	259
	**ʔiy-a*	673
approach, to	**ʔanʸ-*	634
approach something slowly, to	**hakʰ-*	688
appropriate	**t'akʰ-a*	220
	**sʸuw-a*	291
appropriate, to be	**t'akʰ-*	220
	**sʸuw-*	291
appropriateness	**t'akʰ-a*	220
	**sʸuw-a*	291
aquatic bird	**gaŋ-a*	367
	**ħaŋ-a*	718
ardent desire	**manʸ-a*	873
argue, to	**mar-*	877
argument	**mar-a*	877
arid	**tʰar-a*	198
	**sʸaw-a*	278
arid, to be	**sʸaw-*	278
arise, to	**buw-*	81
	**nit͡ɬʰ-*	932
	**nʸaʕ-V-r-*	937
	**liʔ-*	960
arm	**dʸar-a*	251
	**gab-a*	353
	**ħar-a*	722
armful	**ħapʰ-a*	719

English Meaning	Proto-Nostratic	Number
armpit	*ɢit'-a	568
arrange in order, to	*woy-V-k^h-	839
arrangement	*woy-k^h-a	839
arrival	*d^yiʔ-a	254
	*$t^{v}{}^h$ar-a	259
	*ʔiy-a	673
arrive at, to	*d^yiʔ-	254
	*$t^{v}{}^h$ar-	259
	*sag- or *šag-	317
	*ħin-V-k^h-	736
arrow	*ʕam-a	751
as	*k^{wh}ay-	525
	*wa- (~ *wə-)	792
ascend, to	*k^hil^y-	442
	*k'ul-	498
	*ʕal-	747
	*ʕar-V-g-	756
	*xaŋ-	773
ascent	*sal-a	321
ash(es)	*t^huk^h-a	212
	*t͡ɬ^{h}er-a	603
ashes	*k'^{w}am-a	537
	*ħas-a	726
ashes, (hot or smoldering)	*k^hum-a	452
ask, to	*p^hir-	135
ask for, to	*t'el-	237
aspen	*wir-a	835
assemblage	*k^ham-a	415
assemble, to	*rak^h-	965
assembling, the act of	*rak^h-a	965
assert, to	*bak^h-	16
assertion	*bak^h-a	16
associate	*ʔar-a	643
associated	*ʔar-a	643
associated or related person or thing	*ʔar-a	643
astonishment, exclamation of	*hay	699
asunder, to part	*ʔar-	641
at a distance	*t'aw-a	232
at present	*nu	933
at rest	*k'^{w}ar-a	541
attach, to	*baʕ-	2
attached, to be firmly or strongly	*t'^{y}ar-	268
attack	*wel-a	828

English Meaning	Proto-Nostratic	Number
attain, to	*sag- or *šag-	317
attain an end or a goal, to	*t^yhar-	259
attainment	*d^yiʔ-a	254
	*t^yhar-a	259
	*sag-a or *šag-a	317
attention	*guw-a	399
	*ʕen-a	758
attention, to pay	*guw-	399
	*ʕen-	758
auger	*bur-a	74
augment, to	*waš-	821
augmentation	*waš-a	821
augmented	*waš-a	821
aunt	*ʔan^{y}a	636
aware of, to be or become	*baw-	39
	*guw-	399
awareness	*baw-a	39
	*guw-a	399
axe	*t^hik^h-a	206
	*sak^h-a	319
	*č'ir-a	341
	*$t\underset{\frown}{ɬ}^h$ar-a	600
	*ħaʒ-a	735
	*wed-a	827
babe	*baaba	4
babble	*wat^h-a	823
back (= hind part; hindquarters)	*dub-a	170
	*ʕar-a	755
back of the head	*k'ap^h-a	477
bad	*t'^{y}aw-a	273
	*nad^y-a	920
(bad)	*dar-a	153
bad, to be	*ʔak^h-	622
	*nad^y-	920
bad thing	*t'^{y}aw-a	273
baffle, to	*dul-	173
baffled, to be	*dul-	173
bake, to	*ʔep^h-	663
(bake, to)	*p^{h}ek^{wh}-	115
baked	*t'ab-a	217
(baked)	*p^{h}ek^{wh}-a	115
baking	*k'al-a	464
baking, the act of	*ʔep^h-a	663

English Meaning	Proto-Nostratic	Number
bald	*k'al^{y}-a	468
bald spot	*k'al^{y}-a	468
ball	*ɢ^{w}al-a	585
band (= cord)	*s^{y}ir-a	285
	*k^{h}ad-a	406
	*k'ač^{h}-a	457
	*k'ad-a	458
	*k'aŋ-a	473
bandage	*baʕ-a	2
	*yaʔ-a	785
bank (= shore)	*k^{h}ar-a	425
barb	*t͡ɬ^{h}ak^{wh}-a	597
bare	*k'al^{y}-a	468
bark (= outside covering of trees)	*t'or^{y}-a	241
	*k^{h}ar-a	423
	*k'^{w}oy-a	552
barren	*bar-a	38
barren, to be or become	*bar-	38
barren land	*bar-a	38
base (= vile)	*p^{h}ul-a	125
	*nad^{y}-a	920
base (= vile), to be	*nad^{y}-	920
basin	*mor-a	900
bath	*mus^{y}-a	909
	*mus^{y}-k'-a	909
bathe, to	*mus^{y}-	909
	*mus^{y}-V-k'-	909
bathing, the act of	*law-a	958
battle	*bur-a	73
	*ɢal-a	557
	*q^{h}at^{h}-a	574
	*wel-a	828
	*laħ-a	947
be (= exist), to	*ʔil-	667
beam forth, to	*hal-	690
bear (= endure), to	*t^{h}al^{y}-	189
bear (= give birth), to	*ʔum-	684
	*γil-	783
bear children, to	*bar-	30
bear fruit, to	*p^{h}ir-	119
beast, wild	*guw-a	400
	*guw-r-a	400
beat, to	*t^{h}ap^{h}-	193

English Meaning	Proto-Nostratic	Number
	*t'ap^{h}-	228
	*t'uk'-	244
	*d^{y}ab-	248
	*t^{y}h$^{}$um-	263
	*t'^{y}ad-	264
	*c^{h}aħ-	304
	*k'an-	472
	*k'^{w}ad-	532
	*k'^{w}aħ-	534
	*q^{h}at^{h}-	574
	*ʕak^{h}-	746
	*lax^{w}-	959
beaten	*k'^{w}aħ-a	534
beating	*c^{h}aħ-a	304
beating, the act of	*c^{h}aħ-a	304
	*ʕak^{h}-a	746
	*lax^{w}-a	959
beautiful, to be	*s^{y}uw-	291
beauty	*bah-a	13
become, to	*buw-	81
	*liʔ-	960
becoming (= coming into being)	*liʔ-a	960
bed	*k^{h}ay-a	438
bed, to go to	*nak^{wh}-	924
bedtime	*nak^{wh}-a	924
bee	*bay-a	41
	*k^{h}an^{y}-a ~ *k^{h}in^{y}-a ~ *k^{h}un^{y}-a	417
beg, to	*t'el-	237
beget, to	*k'an-	469
	*man^{y}-	873
beget (of humans), to	*γil-	783
begetter	*man^{y}-a	874
begotten	*k'an-a	469
behind (= hindquarters)	*ʕar-a	755
being	*liʔ-a	960
being, to come into	*buw-	81
	*k'al-	466
	*n^{y}aʕ-V-r-	937
	*liʔ-	960
belly	*k^{wh}ur-a	530
	*wat'^{y}-a	824
belt	*yaʔ-a	785
beneath, that which is	*ħal-a	710

English Meaning	Proto-Nostratic	Number
bend	*dar-a	152
	*k'um-a	502
	*k'un-a	504
	*ħan-a	716
	*wan-a	810
	*mal-a	865
	*mur-a	906
	*law-a	955
	*rak^{h}-a	964
bend, to	*dar-	152
	*t^{h}ak^{h}-	186
	*č^{h}ok^{h}-	338
	*gam-	365
	*gaŋ-	368
	*k'ar-	481
	*k'um-	502
	*k'un-	504
	*ɢub-	569
	*ɢ^{w}al-	585
	*ħan-	716
	*wan-	810
	*mal-	865
	*mar-	879
	*mur-	906
	*law-	955
	*rak^{h}-	964
bend back, to	*gaŋ-	368
bend down, to	*c'ar-	309
	*lam-	952
	*lam-V-d-	952
bend forward, to	*gaŋ-	368
bend round, to	*k'aw-	484
bend the body, to	*k'um-	502
bend the head, to	*k'um-	502
bend to the side, to	*gaŋ-	368
bend together, to	*t^{h}ak^{h}-	186
	*k'aŋ-	473
	*k'un-	504
bending, the act of	*č^{h}ok^{h}-a	338
	*k'um-a	502
bends, that which	*dar-a	152
beneficent	*bar-a	34
beneficent, to be	*bar-	34

English Meaning	Proto-Nostratic	Number
bent	*dar-a	152
	*k^hon-k'-a, *k^hok'-a	447
	*k'ar-a	481
	*k'aw-a	484
	*g^war-a	510
	*t͡ɬ'il-a	610
	*wan-a	810
bent, that which is	*k'un-a	504
	*ɢub-a	569
bent, to be	*$t^h ak^h$-	186
	*gam-	365
	*k^hon-V-k'-, *k^hok'-	447
	*t͡ɬ'il-	610
bent down, to be or become	*lam-	952
	*lam-V-d-	952
bent object	*gam-a	365
	*k'um-a	503
bent thing or object	*t͡ɬ'il-a	610
beseech, to	*p^hir-	135
	*t'el-	237
besides	*ʔap^h-	640
bestow upon, to	*gib-	380
bewilder, to	*dul-	173
bewildered, to be	*dul-	173
	*mal-	866
bewilderment	*mal-a	866
beyond	*ʕal-	747
big	*bir-a	49
	*gad-a	354
	*maʔ-a	847
	*maħ-a	853
	*man-g-a	872
	*mik'-a	896
big, to be or become	*gad-	354
big toe	*p^hal-a	93
bigness	*gad-a	354
	*maħ-a	853
billy-goat	*daq^h-a	151
bind, to	*baʕ-	2
	*t'an-	227
	*sak'^{w}-	320
	*k^had-	406
	*k'ar-	481

English Meaning	Proto-Nostratic	Number
	*$k^{wh}ir$-	529
	*$yaʔ$-	785
	*net'^{y}-	929
	*rak^{h}-	964
bind (together), to	*ban-V-d-	25
	*bin-	47
bind together, to	*$s^{y}ir$-	285
	*c'ur-	314
	*k'un-	504
	*$t\underset{\smile}{ɬ}'im$-	611
bind two things together, to	*$k^{h}ol^{y}$-	446
binding	*c'ur-a	314
	*$ʕor^{y}$-a	763
	*$yaʔ$-a	785
bird, a kind of	*$c'ir^{y}$-a	313
birth	*$p^{h}ir$-a	119
	*$p^{h}it'^{y}$-a	123
	*$č^{h}an$-a	336
	*k'al-a	466
	*k'an-a	469
birth, to give	*bar-	30
	*$s^{y}aw$- or *$s^{y}ew$-	279
	*ʔum-	684
	*γil-	783
birth to, to give	*$p^{h}it'^{y}$-	123
bit (= piece; fragment)	*dum-a	175
	*dun^{y}-a	180
	*gad-a	355
	*$k^{h}as$-a	431
bite	*bal-a	20
	*k'ab-a	455
	*ɢat'^{y}-a	564
	*q'am-a	579
	*$t\underset{\smile}{ɬ}'ar$-a	609
bite, to	*bal-	20
	*bur-	76
	*k'ab-	455
	*ɢat'^{y}-	564
	*q'am-	579
	*$t\underset{\smile}{ɬ}'ar$-	609
	*$t\underset{\smile}{ɬ}'ar$-V-s-	609
	*ʔit'-	672
biting	*ɢat'^{y}-a	564

English Meaning	Proto-Nostratic	Number
bitter	*ǯem-a	334
	*k^har-a	428
	*ɢat'^{y}-a	564
	*ħam-a	713
bitter, anything that is	*ǯem-a	334
bitter, that which is	*t'^{y}am-a	267
bitter, to turn	*t'^{y}am-	267
bitter foodstuff, any	*ħam-a	713
bitterness	*k^har-a	428
black	*dar-a	154
	*k^har-a	429
	*k^hum-a	452
	*ham-a	692
blackberry	*mur-a	907
blacken, to	*k^hum-	452
blackness	*k^har-a	429
	*k'ar-a	480
	*ham-a	692
black object	*ham-a	692
blade (= knife-edge)	*waħ-a	795
blade of grass	*k^hal^y-a	411
blaze	*bud-a	57
	*war-a	817
blaze, to	*t^huk^h-	212
	*d^{y}ak^{wh}-	249
	*wal^y-	805
	*war-	817
	*lah-	945
blazing	*lah-a	945
blemish	*dar^y-a	155
	*gal-a	363
blend	*k'at^h-a	483
blighted	*c'aw-a	311
	*c'aw-l^y-a	311
blighted, that which is	*c'aw-a	311
	*c'aw-l^y-a	311
blind	*bal-a	18
blind, to be or become	*bal-	18
blindness	*bal-a	18
blister	*bug-a	60
	*p^{h}ul^y-a	126
	*dar^y-a	155
blister, to	*bug-	60

English Meaning	Proto-Nostratic	Number
blood	*k^hur-*a*	453
bloom	*buw-*a*	81
	*xan-*a*	772
bloom, to	*bul-V-γ-*	65
	xan-	772
blossom	*buw-*a*	81
	*xan-*a*	772
blossom, to	*bul-V-γ-*	65
blossoming	*bul-γ-*a*	65
blotch	*dar^y-*a*	155
blow (= hit; stroke)	*baħ-*a*	15
	*t^hap^h-*a*	193
	*t'ap^h-*a*	228
	*t'aw-*a*	233
	*t'uk'-*a*	244
	*d^yab-*a*	248
	*t^yhal-*a*	257
	*c^hal-*a*	305
	*k'ud-*a*	495
	*q^hal-*a*	571
	*nag-*a*	921
	*lax^w-*a*	959
blow (= blast of air)	*bul-*a*	63
blow, to	*bar-*	28
	bur-	75
	p^has^y-	108
	$p^huš$-	129
	p^huw-	138
	*ʒim- or *ǯim-	300
	*ʔup^h-	685
	*nap^h-, *nip^h-, *nup^h-	925
blow about, to	*bur-*	75
	p'ul^y-	141
	duw-	183
blowing	*ʒim-*a* or *ǯim-*a*	300
blowing, the act of	*p^huw-*a*	138
blown about	*duw-*a*	183
blown about, anything	*duw-*a*	183
blown about, to be	*duw-*	183
(blubber)	*p^hul^y-*a*	127
blur	*bul-*a*	67
boar, wild	*s^yaw-*a*	280
board (= plank; panel)	*č'ir-*a*	341

English Meaning	Proto-Nostratic	Number
body	*$k^{wh}ur$-*a*	530
body of water, any	**mor-a*	900
boil (= blister)	**bug-a*	60
boil, to	*ʔep^{h}-	663
boiling	**wal-a*	802
boisterous, to be	**gal-*	361
bond	*$baʕ$-*a*	2
	**ban-d-a*	25
	**bin-a*	47
	*$k^{h}am$-*a* or *$q^{h}am$-*a*	413
	*$t\underset{\smile}{ɬ}$'*im-a*	611
	**yaʔ-a*	785
	*rak^{h}-*a*	964
bone	**k'os-a*	494
bore, to	**bur-*	74
	**dur-*	181
borer	**bur-a*	74
born	**k'an-a*	469
born, to be	*$s^{y}aw$- or *$s^{y}ew$-	279
	*$č^{h}an$-	336
	**k'al-*	466
bosom	*$k'^{w}an$-*a*	538
	*$ʕub$-*a*	764
bottom of anything	*ʔ*ul-a*	682
bound (= tied)	**k'ar-a*	481
bound together	*$t\underset{\smile}{ɬ}$'*im-a*	611
bound together, that which is	**c'ur-a*	314
	**k'ar-a*	481
bound together, to be or become	*$t'^{y}ar$-	268
bovine, wild	*$t^{yh}om$-*a*	262
bow down, to	**k'um-*	502
bowels	*wat'^{y}-*a*	824
bowing, the act of	**k'um-a*	502
bowl	*$k^{h}ap^{h}$-*a*	420
boy	*$n^{y}aʕ$-r-*a*	938
braid, to	**ħaw-*	732
braiding	*net'^{y}-*a*	929
braiding, the act of	**ħaw-a*	732
brain	*ʔ*ay-a*	653
branch	*$t'or^{y}$-*a*	241
brave, to be	**xam-*	771
	**xam-V-d-*	771
breach	**bad-a*	5

English Meaning	Proto-Nostratic	Number
	*$t^{y}{}^{h}$al-m-a	258
	*mur-a	905
breadth	*p^{h}ar-a	100
	*t^{h}al^{y}-a	189
	*t^{h}an^{y}-a	191
	*war-a	815
break	*bak'-a	17
	*bit$\breve{\text{ɬ}}^{h}$-a	55
	*p^{h}a$\check{c}^{h}$-a	82
	*p^{h}as^{y}-a	109
	*p^{h}in-a	134
	*t'aħ-a	219
	*gal-a	357
	*k^{h}as-a	431
	*mur-a	905
break, to	*bit$\breve{\text{ɬ}}^{h}$-	55
	*p^{h}as^{y}-	109
	*p^{h}in-	134
	*dar-	153
	*t^{h}ar-	196
	*t'aħ-	219
	*ʕak^{h}-	746
	*mur-	905
break (apart), to	*p^{h}ar-	99
break apart, to	*p^{h}a$\check{c}^{h}$-	82
	*p'ut'-	142
	*c^{h}al-	305
	*row-	974
break into pieces, to	*gin-	385
break into small pieces, to	*k'ep'-	488
break off, to	*bir-	51
	*p'ut'-	142
	*c^{h}al-	305
	*gal-	357
	*k^{h}as-	431
break open, to	*bak'-	17
	*bit$\breve{\text{ɬ}}^{h}$-	55
	*p^{h}a$\check{c}^{h}$-	82
	*t$\breve{\text{ɬ}}^{h}$al-	598
breaking, the act of	*ʕak^{h}-a	746
breaking into small pieces, the act of	*k'ep'-a	488
breaking off, the act of	*bir-a	51
breast	*diy-a	168

English Meaning	Proto-Nostratic	Number
	**ʒuʒ-a*	302
	**k'ar-a*	482
	**k'^{w}an-a*	538
	**ʕim-a*	762
	**ʕub-a*	764
	**mal-a*	862
	**man-a*	867
breast, (mother's)	**mam(m)a*, **mema*	845
breastfeed, to	**man-*	867
breath	**p^{h}uš-a*	129
	**p^{h}uw-a*	138
	**šaw-a*	345
	**ʔup^{h}-a*	685
	**ʕan-a*	752
	**nap^{h}-a*, **nip^{h}-a*, **nup^{h}-a*	925
breathe, to	**ʕan-*	752
	**nap^{h}-*, **nip^{h}-*, **nup^{h}-*	925
breathe deeply, to	**šaw-*	345
breathe out, to	**p^{h}as^{y}-*	108
	**p^{h}uš-*	129
bride	**nus^{y}-a*	935
bright	**bah-a*	13
	**hal-a*	690
	**wal^{y}-a*	805
	**wil^{y}-a*	833
	**law-a*	956
bright, shining object, any	**q'al-a* or **q'el-a*	577
bright, to be	**bal-*	21
	**bar-*	33
	**dil^{y}-*	165
	**dul-*	172
	**t'ay-* or **t'iy-*	235
	**d^{y}ak^{wh}-*	249
	**wal^{y}-*	805
bright, to be or become	**q'al-* or **q'el-*	577
bright, to become	**dil^{y}-*	165
	**wil^{y}-*	833
bright, to make	**q'al-* or **q'el-*	577
brighten up, to	**hal-*	690
brightness	**bah-a*	13
	**bal-a*	21
	**bar-a*	33
	**t'ay-a* or **t'iy-a*	235

English Meaning	Proto-Nostratic	Number
	**hal-a*	690
	**wal^{y}-a*	805
	**wil^{y}-a*	833
brilliance	**bah-a*	13
	**ɢil-a*	567
brilliant	**ɢil-a*	567
bring, to	**day-*	161
	**t'ox^{w}-*	242
	**wad-*	794
bring forth, to	**bad-*	10
	**p^{h}ir-*	119
	**s^{y}aw-* or **s^{y}ew-*	279
	**č^{h}an-*	336
bring into action, to	**bad-*	10
bring into being, to	**bad-*	10
bring to an end, to	**k^{wh}al-*	516
bring together, to	**k'at^{h}-*	483
	**ɢam-*	558
bringing, the act of	**wad-a*	794
bringing forth	**č^{h}an-a*	336
bristle	**bar-a*	27
bristle (up), to	**bar-*	27
(broad)	**t^{h}al^{y}-a*	189
broad	**p^{h}al-a*	898
	**p^{h}ar-a*	100
	**t^{h}an^{y}-a*	191
	**ʔut'-a*	686
	**war-a*	815
broad, that which is	**p^{h}al-a*	89
broken	**mur-a*	905
broken-off piece or part	**p'ut'-a*	142
brought forth, that which is	**č^{h}an-a*	336
brow	**q'aw-a*	582
bruise, to	**c^{h}aħ-*	304
bubble	**bul-bul-a* (> **bum-bul-a*)	66
bubble up, to	**bul-bul-* (> **bum-bul-*)	66
buck (= male of small, hoofed animals)	**buk'-a* (~ **bok'-a*)	62
	**k^{h}ab-a*	403
bud	**ʕag-a*	745
bud, to	**ʕag-*	745
build, to	**t'am-*	225
	**k'ad-*	458
building	**t'am-a*	225

English Meaning	Proto-Nostratic	Number
bulbous	*p'ul-a	140
bulge	*bar-a	26
	*pʰuš-a	129
	*p'ul-a	140
	*tʰaw-a	202
bulky	*k'ʷurʸ-a	553
bulky, to be	*k'ʷurʸ-	553
bullock	*k'ʷow-a	551
bunch	*bag-a	12
	*k'ar-a	481
bundle	*bag-a	12
	*k'ar-a	481
	*kʷʰir-a	529
burden	*t'an-a	226
	*ʔan-a	632
	*wig-a	832
burn	*pʰalʸ-a	95
burn, to	*pʰalʸ-	95
	*pʰaħ-	130
	*pʰaħ-V-w-	130
	*daɢ-	147
	*dul-	172
	*tʰepʰ-	204
	*tʰukʰ-	212
	*sʸaxʷ-	281
	*gub-	391
	*kʰum-	452
	*k'al-	464
	*k'ʷat'-	547
	*t͡ɬʰer-	603
	*ʔakʷʰ-	626
	*ʔepʰ-	663
	*hag-	687
	*ħas-	726
	*ʕal-	748
	*wal-	802
	*war-	817
	*lah-	945
burn brightly, to	*t'ay- or *t'iy-	235
burn slowly, to	*k'ʷam-	537
burned	*t͡ɬʰer-a	603
burning	*k'ʷat'-a	547
	*lah-a	945

English Meaning	Proto-Nostratic	Number
burning sensation	*$p^h al^y$-*a*	95
burnt wood	*$t\!\!\downarrow^h$er-*a*	603
burst forth, to	*bi$t\!\!\downarrow^h$-	55
	*nab-	917
bursting forth	*nab-*a*	917
bush	*ǯag^w-*a*	330
bush, a kind of	*d^yan-w-*a*	250
bushy	*bar-*a*	29
bushy, to be	*bar-	29
but	*wa- (~ *wə-)	792
buttocks	*k'uŋ-*a*	505
buy, to	*k^hap'-	421
by me	*ʔiya	674
by oneself, to be	*ʔoy-	681
	*xol-	776
cackle, to	*$k^h at^h$-	435
	*k'ak'-	459
cackling	*$k^h at^h$-*a*	435
calamity	*muŋ-*a*	904
calculation	*xal-*a*	770
calf	*p^har-*a*	103
	*p^hur-*a*	128
	*ʕig-*a*	761
call	*ǯaħ-*a*	331
	*k'ar-*a*	479
	*q'^{w}al-*a*	588
	*q'^{w}ar-*a* or *q'^{w}ur-*a*	592
	*q'$^w at^{yh}$-*a*	594
call, to	*q'$^w at^{yh}$-	594
	*waʕ-	793
call (out), to	*ǯaħ-	331
	*q'^{w}al-	588
call (out to), to	*k'ar-	479
call out, to	*k^hal-	408
	*q'^{w}ar- or *q'^{w}ur-	592
	*wal-	799
calm	*t'um-*a*	246
calm, to	*t'um-	246
calm, to be or become	*q'^{w}ad-	587
calmness	*t'um-*a*	246
	*rom-*a*	973
canal	*ɢar-*a*	561
	*mor-*a*	900

English Meaning	Proto-Nostratic	Number
capture, to	*p^hid-	117
care	*p^hin^y-a	118
	*k^hal-a	409
	*war-a	813
	*man-a	870
	*rak'-a	967
care about, to	*mal-	860
care for (= like), to	*p^har-	98
	*man-	870
care for (= take care of), to	*war-	813
carpenter	*t'am-a	225
carry, to	*wad-	794
	*wig-	832
	*nit͡ɬ^h-	932
carrying, the act of	*wad-a	794
	*nit͡ɬ^h-a	932
cart (= conveyance)	*wig-a	832
carve, to	*bar-	35
	*ħaʒ-	735
carving	*bar-a	35
	*xat'-a	775
carving tool	*ʔak^h-a	623
cast (= throw; toss), to	*day-	159
	*siħ-	328
cast about	*siħ-a	328
cast-out things	*gud-a	392
casting about, the act of	*siħ-a	328
caustic (= pungent)	*k^har-a	428
cave	*k^hay-w-a	440
cavity	*k'um-a	503
	*ħal^y-a	712
caw, to	*k^hat^h-	435
cawing	*k^hat^h-a	435
cease to function, to	*ǯaw-	333
cereal, a kind of	*hay-a	698
cessation	*ǯaw-a	333
chaff	*p^hat'-a	114
chamoix	*ʔar-a	644
change, to	*s^{y}en^y-	282
channel	*mor-a	900
char, to	*k^hum-	452
charcoal	*k^hum-a	452
	*t͡ɬ^{h}er-a	603

English Meaning	Proto-Nostratic	Number
charitable, to be	*bar-	34
charred	*$t\!\!\!\smile^{h}$er-a	603
chase after, to	*mar-	880
chase away, to	*gus-	398
chatter	*x^{w}at'-a	779
	*wat^{h}-a	823
chatter, to	*k'ak'-	459
	*x^{w}at'-	779
cheat, to	*mak^{h}-	855
cheek	*gen-a	377
	*k'an-a	470
cheep, to	*c'ir^{y}-	313
cheerful, to be	*mak'-	857
chew, to	*k'ep'-	488
	*q'am-	579
	*ʔit'-	672
chewing (the cud)	*k'ep'-a	488
chief (= principal; main; leading)	*p^{h}ar-a	101
chief (= ruler)	*$t\!\!\!\smile^{h}$ir-a	606
	*ħak'-a	707
	*ħar-a	723
chieftain	*$t\!\!\!\smile^{h}$ir-a	606
	*ħak'-a	707
child	*baaba	4
	*bar-a	30
	*s^{y}aw-a or *s^{y}ew-a	279
	*k'an-a	469
	*γil-a	783
	*yaw-a	788
	*mag-a	852
children, to bear	*bar-	30
chill	*k'ul^{y}-a	499
chin	*ɢat'^{y}-a	565
chip	*bar-a	35
	*t'^{y}ak^{h}-a	265
	*c^{h}al-a	306
	*k'ir-a or *k'ur-a	491
chip, to	*t'^{y}ak^{h}-	265
chirp, to	*c'ir^{y}-	313
chisel	*t^{h}ik^{h}-a	206
	*ʔak^{h}-a	623
	*ħaʒ-a	735
choke, to	*ħan-V-g-	717

English Meaning	Proto-Nostratic	Number
chop, to	*$t'^{y}ak^{h}$-	265
chop into small pieces, to	*$k'ep'$-	488
chopping into small pieces, the act of	*$k'ep'$-*a*	488
chosen	*lak'-*a*	950
cinder	*$ħas$-*a*	726
circle	*$c'ur$-*a*	314
	*$k^{h}ar$-*a*	424
	*$k^{wh}al$-*a*	514
	*$ɢ^{w}al$-*a*	585
	*wal^{y}-*a*	804
circuit	*$k^{wh}al$-*a*	514
circular object, any	*$g^{w}ar$-*a*	510
circumference	*wal^{y}-*a*	804
cistern	**mor*-*a*	900
clamor	**gal*-*a*	361
	*$waʕ$-*a*	793
clamor, to	**gal*-	361
clap of thunder	*$ɢad$-*a*	554
	*$ɢad$-$ɢad$-*a*	554
clarification	*$k^{h}al$-*a*	410
clarify, to	*$c'ar$- or *$č'ar$-	310
clarity	*$c'ar$-*a* or *$č'ar$-*a*	310
	**gal*-*a*	360
clasp	*$k^{h}on$-k'-*a*, *$k^{h}ok'$-*a*	447
clatter, loud	*$ɢad$-*a*	554
	*$ɢad$-$ɢad$-*a*	554
claw	*$t'^{y}ip^{h}$-*a*	275
clay	*diq^{h}-*a*	167
clean, to	*$ħal$-	709
	**law*-	958
clean(ed)	*$ħal$-*a*	709
cleaned, that which is	*$ʔal$-*a*	627
cleaning, the act of	*$ʔal$-*a*	627
	*$ħal$-*a*	709
cleanse, to	*$ʔal$-	627
clear	*$c'ar$-*a* or *$č'ar$-*a*	310
	**gal*-*a*	360
	**hal*-*a*	690
	*wil^{y}-*a*	833
clear, to be or become	*$c'ar$- or *$č'ar$-	310
	**gal*-	360
clear, to make	*$c'ar$- or *$č'ar$-	310
	*$k^{h}al$-	410

English Meaning	Proto-Nostratic	Number
clearness	**hal-a*	690
cleave, to	**bad-*	5
	**bak'-*	17
	**p^{h}al-*	87
	**p^{h}as^{y}-*	109
	**p^{h}il^{y}-*	133
	**dun^{y}-*	180
	**c^{h}al-*	305
climb on, to	**ʔor^{y}-V-g-*	678
	**ʕar-V-g-*	756
climbing	**ʕar-g-a*	756
cling to, to	**p^{h}id-*	117
clip, to	**k'ir-* or **k'ur-*	491
clipping	**k^{h}as-a*	431
close	**t'an-a*	226
close, to	**c^{h}uk^{h}-*	307
	**k'ap^{h}-*	478
closeness	**t'an-a*	226
closure	**c^{h}uk^{h}-a*	307
cloth	**k^{h}at^{h}-a*	433
clothe, to	**k^{h}ad-*	405
cloud	**p'ul^{y}-a*	141
	**dum-a*	177
	(**dum-k'^{w}-a* >) **dun-k'^{w}-a*	178
cloud, (dark)	**t'uq'^{w}-a*	247
cloud, storm	**nab-a*	918
cloud over, to	**dum-*	177
cloudy	**dum-a*	177
	(**dum-k'^{w}-a* >) **dun-k'^{w}-a*	178
	**ħag-a*	704
cloudy, to be	**t'uq'^{w}-*	247
cloudy sky	**nab-a*	918
cloudy weather	**ħag-a*	704
club (= weapon)	**k'an-a*	472
	**k'^{w}aħ-a*	534
	**q'^{w}al-a*	590
clump	**k'um-a*	501
clutch, to	**p^{h}id-*	117
	**k^{h}am-* or **q^{h}am-*	413
coarse	**bar-a*	29
	**t'^{y}ar-a*	269
	**k^{h}ar-a*	427
coarse, that which is	**t'^{y}ar-a*	269

English Meaning	Proto-Nostratic	Number
coarse, to be	*bar-	29
	*t'^{y}ar-	269
coarseness	*bar-a	29
	*k^{h}ar-a	427
coil (= loop; cord)	*c'ur-a	314
	*mar-a	879
cold (= chill; chilly)	*k^{h}ir-a	444
	*k'ul^{y}-a	499
	*k'^{w}ar-a	540
	*q'in-a	584
cold, to be	*k^{h}ir-	444
	*k'^{w}ar-	540
cold, to be or become	*k'ul^{y}-	499
	*q'in-	584
coldness	*k'ul^{y}-a	499
	*k'^{w}ar-a	540
collapse	*p^{h}ul-a	125
collapse (from shaking)	*rag-a	963
collapse, to	*p^{h}ul-	125
collect, to	*gid- or *ɢid-	381
	*k^{h}am-	415
	*k'er-	490
	*ʔas-	645
	*wot^{h}-	837
	*lak'-	950
collect (with the hands or arms), to	*ħap^{h}-	719
collected	*lak'-a	950
collected, that which as been	*ħap^{h}-a	719
collecting, the act of	*ʔas-a	645
collection	*gid-a or *ɢid-a	381
	*k^{h}am-a	415
	*k'er-a	490
	*ɢam-a	558
	*lak'-a	950
collection of things bound together	*bag-a	12
comb	*t^{h}ar-a	199
	*war-a	814
comb, to	*t͡ɬ^{h}iʕ-V-r-	604
	*war-	814
combination of two things, any	*k^{h}ol^{y}-a	446
combine two things together, to	*k^{h}ol^{y}-	446
come, to	*buw-	80
	*ɢal-	555

English Meaning	Proto-Nostratic	Number
	*ʔiy-	673
	*naʕ-	916
come (close to), to	*ʔan^{y}-	634
come into being, to	*buw-	81
	*k'al-	466
	*n^{y}aʕ-V-r-	937
	*liʔ-	960
come into view, to	*wil^{y}-	833
come to, to	*d^{y}iʔ-	254
	*t^{yh}ar-	259
	*ħin-V-k^{h}-	736
come to an end, to	*k^{wh}al-	516
come together, to	*k'at^{h}-	483
	*ɢam-	558
coming	*buw-a	80
coming, the act of	*ɢal-a	555
command	*ħak'-a	707
command, to	*ħak'-	707
commerce	*wos-a	836
common, to be	*ʔek'-	659
compact	*t^{h}ik'-a	207
companion	*ʔar-a	643
complete, to	*k^{wh}al-	516
completion	*k^{wh}al-a	516
comprehension	*k'an^{y}-a	475
compression	*k'um-a	501
compulsion	*gid-a or *ɢid-a	381
conceal, to	*p^{h}al-	94
	*q^{h}am-	572
	*ħag-	704
concept	*ʕeŋ-a	759
condemnation	*sad^{y}-a	316
condyle (of the lower jaw, the shoulder, the elbow, the hip, etc.)	*ʔom-a	675
confine, to	*hak'-	689
confuse, to	*bul-	67
	*dul-	173
confused, to be	*dal-	149
	*diɢ-	164
	*dul-	173
	*mak^{h}-	855
	*mal-	866
confusion	*bul-a	67

English Meaning	Proto-Nostratic	Number
	*diɢ-a	164
	*dul-a	173
	*k'al-a	465
	*mak^{h}-a	855
	*mal-a	866
conglomeration	*k'at^{h}-a	483
connection	*t͡ɬ'im-a	611
conquest	*wel-a	828
consider, to	*day-	160
	*t'^{y}iŋ-	274
	*saħ- or *šaħ-	318
	*ʕeŋ-	759
	*man-	868
consideration	*day-a	160
	*t'^{y}iŋ-a	274
	*saħ-a or *šaħ-a	318
constrict, to	*ħan-V-g-	717
constricted	*ħan-g-a	717
construct, to	*k'ad-	458
	*rak^{h}-	965
construct (something) in a skillful manner, to	*t'am-	225
constructed in a skillful manner, that which is	*t'am-a	225
constructing, the act of	*rak^{h}-a	965
constructing (something) in a skillful manner, the act of	*t'am-a	225
consume, to	*ʔit'-	672
container	*k^{h}ap^{h}-a	420
contend, to	*mar-	877
control, to	*rak'-	967
convey, to	*day-	161
	*wig-	832
conveyance	*wig-a	832
(cook, to)	*p^{h}ek^{wh}-	115
cook, to	*t'ab-	217
	*gub-	391
	*k'al-	464
	*ʔep^{h}-	663
(cooked)	*p^{h}ek^{wh}-a	115
cooked	*t'ab-a	217
cooking	*k'al-a	464
cooking, that which is used for	*gub-a	391

English Meaning	Proto-Nostratic	Number
cooking, the act of	*gub-a	391
	*ʔep^{h}-a	663
copious	*man-g-a	872
copulate (with), to	*ʔor^{y}-V-g-	678
copulate with, to	*man^{y}-	873
copulation	*ʔor^{y}-g-a	678
cord	*p^{h}ir-a	121
	*s^{y}ir-a	285
	*ǯal-a	332
	*gur-a	397
	*k'aŋ-a	473
	*mar-a	879
	*rak^{h}-a	964
cord-like object, any	*s^{y}ir-a	285
core	*k^{h}ar-a	430
corner	*gaŋ-a	368
	*gol-a	389
correct	*woy-k^{h}-a	839
correctness	*woy-k^{h}-a	839
cot	*k^{h}ay-a	438
count, to	*xal-	770
	*man-	868
counting	*man-a	868
country, (open)	*q'an-a	580
couple	*k^{h}ol^{y}-a	446
couple, to	*k^{h}ol^{y}-	446
course	*gir^{y}-a or *ɢir^{y}-a	388
course, winding	*dar-a	152
cover	*bur-a	77
	*c^{h}uk^{h}-a	307
cover, to	*bur-	77
	*p^{h}al-	94
	*p^{h}ar^{y}-	106
	*t'aq'-	229
	*c^{h}uk^{h}-	307
	*k^{h}ad-	405
	*k'ap^{h}-	478
	*q^{h}am-	572
	*ɣam-	782
cover over, to	*dum-	177
	*t^{h}um-	214
	*t'^{y}al- and/or *t'^{y}il-	266
	*ħag-	704

English Meaning	Proto-Nostratic	Number
cover up, to	*$p^hač'$-	83
covering	*bur-a	77
	*$p^hač'$-a	83
	*p^hal-a	94
	*p^har^y-a	106
	*$t'aq'$-a	229
	*t'^yal-a and/or *t'^yil-a	266
	*k^had-a	405
	*$k'ap^h$-a	478
	*q^ham-a	572
cow	*k'^wow-a	551
	*ʔaħ-a	619
crack (= break; fracture; rift)	*bad-a	5
	*bak'-a	17
	*$p^hač^h$-a	82
	*p^hal-a	87
	*p^hil^y-a	133
	*t^yhal-m-a	258
	*c^hal-a	305
	*$t̪^hal$-a	598
	*haŋ-a	695
crackling sound	*k'ak'-a	459
craft (= work; trade)	*t'am-a	225
	*$k^{wh}ir$-a	529
craftsman	*t'am-a	225
cram, to	*t^hur-	216
cram together, to	*hak'-	689
crammed	*$k'^waħ$-a	534
cramming	*ʒag-a	293
crane (= large wading bird)	*k'or-a or *k'ar-a	493
(craziness)	*dul-a	173
(crazy, to be)	*dul-	173
(crazy, to drive someone)	*dul-	173
creak, to	*q^har^y-	573
create, to	*t^hik^h-	206
	*k'an-	469
	*$k^{wh}ey$-	527
create something, tool used to	*t^hik^h-a	206
creating something, the act of	*t^hik^h-a	206
creation	*bad-a	10
	*$k^{wh}ey$-a	527
crevice	*haŋ-a	695
croak, to	*q^har^y-	573

English Meaning	Proto-Nostratic	Number
crooked	*dar-a	152
	*k^hon-k'-a, *k^hok'-a	447
	*k'ar-a	481
	*wan-a	810
crooked, that which is	*k'un-a	504
crooked, to be	*k^hon-V-k'-, *k^hok'-	447
crossing	*p^har-a	105
crowd	*k^hum-a	450
	*ɢam-a	558
	*man-a	871
	*man-g-a	872
crown of head	*k^hir-a	443
crumb	*mol-a	899
crumb(s)	*$č^h$e$č^h$-a	337
crush, to	*bit'^{y}-	54
	*bul-	69
	*diq^h-	167
	*t'aħ-	219
	*c^haħ-	304
	*$č^h$e$č^h$-	337
	*k'^{w}ar-	542
	*ɢar-	560
	*q'am-	579
	*ħur-	743
	*wal-	803
	*was^y-	820
	*mel-	890
	*mol-	899
	*mur-	905
	*nad^y-	919
crush into pieces, to	*gin-	385
crushed	*ɢar-a	560
	*mol-a	899
	*mur-a	905
crushed, anything	*nad^y-a	919
crushed, that which is	*$č^h$e$č^h$-a	337
crushing	*c^haħ-a	304
crushing, the act of	*c^haħ-a	304
	*$č^h$e$č^h$-a	337
	*gin-a	385
	*ɢar-a	560
	*was^y-a	820
crust	*k'^{w}oy-a	552

English Meaning	Proto-Nostratic	Number
cry	*ʒaħ-a	331
	*k'ar-a	479
	*ɢar-a	559
	*ɢar-ɢar-a	559
	*q'^{w}al-a	588
	*q'^{w}ar-a or *q'^{w}ur-a	592
	*waʕ-a	793
	*wal-a	799
	*wat^{h}-a	823
cry, to	*k^{h}at^{h}-	435
cry (out), to	*ʒaħ-	331
	*k'ar-	479
	*q'^{w}al-	588
cry out, to	*gal-	361
	*q'^{w}ar- or *q'^{w}ur-	592
	*waʕ-	793
	*wal-	799
crying	*k^{h}at^{h}-a	435
cudgel	*k'an-a	472
	*k'^{w}aħ-a	534
cuff (= stroke; blow)	*k'an-a	472
	*k'ud-a	495
cup	*k^{h}ap^{h}-a	420
current (= stream)	*d^{y}aw-a	252
	*ʒar-a or *ʒar-a	296
	*ħap^{h}-a	720
curvature	*k'un-a	504
curve	*dar-a	152
	*k^{h}ar-a	424
	*k'um-a	502
	*k'un-a	504
	*ħan-a	716
	*wan-a	810
	*mur-a	906
curve, to	*k'um-	502
	*ɢ^{w}al-	585
	*ħan-	716
curve round, to	*k'aw-	484
curved	*dar-a	152
	*k^{h}ar-a	424
	*k^{h}on-k'-a, *k^{h}ok'-a	447
	*k'ar-a	481
	*k'aw-a	484

English Meaning	Proto-Nostratic	Number
	*t͡ɬ’il-a	610
	*wan-a	810
curved, that which is	*k’un-a	504
	*ɢub-a	569
curved, to be	*kʰon-V-k’-, *kʰok’-	447
	*t͡ɬ’il-	610
curved down, to be or become	*lam-	952
	*lam-V-d-	952
curved object	*gam-a	365
	*k’um-a	503
curved thing or object	*t͡ɬ’il-a	610
custody	*kʰal-a	409
cut	*baħ-a	15
	*ban-a	24
	*dum-a	175
	*tʰar-a	196
	*t’ar-a	230
	*cʰal-a	305
	*gad-a	355
	*gal-a	357
	*gar-a	370
	*kʰar-a	422
	*kʰas-a	431
	*k’ir-a or *k’ur-a	491
	*kʷʰar-a	520
	*qʰal-a	571
	*t͡ɬʰar-a	600
	*t͡ɬʰut’-a	608
	*waŋ-a	811
	*wed-a	827
	*row-a	974
cut, that which is	*č’ir-a	341
	*ħaʒ-a	735
cut, to	*baħ-	15
	*ban-	24
	*dal-	148
	*t’ar-	230
	*t’ʸar-	271
	*t’ʸar-a	271
	*cʰal-	305
	*sakʰ-	319
	*č’ir-	341
	*gad-	355

English Meaning	Proto-Nostratic	Number
	*gar-	370
	*k^har-	422
	*k'ir- or *k'ur-	491
	*k^{wh}ar-	519
	*k'^wat'-	548
	*q^hal-	571
	*q'^wal-	589
	*$t\!\!\downarrow^h$ar-	600
	*$t\!\!\downarrow^h$ut'-	608
	*waŋ-	811
	*miʔ-	893
cut a groove, to	*k^{wh}ar-	520
cut apart, to	*p'ut'-	142
	*row-	974
cut in half, to	*t'u$ʔ^w$-	243
cut in two, to	*k'ir- or *k'ur-	491
cut into, to	*bar-	35
	*č'ir-	341
	*k^har-	422
	*k'ir- or *k'ur-	491
	*$t\!\!\downarrow^h$ar-	600
	*$t\!\!\downarrow^h$ar-V-t'-	601
	*ħaʒ-	735
	*xat'-	775
cut into, that which is	*č'ir-a	341
cut into small pieces, to	*t'^yak^h-	265
	*k'ep'-	488
cut (off), to	*dum-	175
	*gad-a	355
cut (off, apart), to	*ʔar-	641
cut off, that which is	*č'ir-a	341
cut off, to	*baħ-	15
	*bir-	51
	*p'ut'-	142
	*dun^y-	180
	*č'ir-	341
	*gal-	357
	*k^har-	422
	*k^has-	431
	*k'ir- or *k'ur-	491
cut-off piece or part	*p'ut'-a	142
cut open, to	*$t\!\!\downarrow^h$al-	598
cut short, to	*k^{wh}ar-	521

English Meaning	Proto-Nostratic	Number
cut through, to	*č'ir-	341
cuts, that which	*č'ir-a	341
	*gad-a	355
	*gar-a	370
	*t͡ɬʰar-a	600
	*ħaʒ-a	735
cutter	*ʔakʰ-a	623
cutting	*kʰas-a	431
cutting instrument	*k'ʷat'-a	548
	*miʔ-a	893
cutting into small pieces, the act of	*k'ep'-a	488
cutting off, the act of	*bir-a	51
cuttings	*bar-a	35
dagger	*sakʰ-a	319
	*waŋ-a	811
damage	*t'aw-a	233
	*t'ʸar-a	271
	*k'ʷed-a	549
	*qʰal-a	571
	*nikʰ-a	931
damage, to	*k'ʷed-	549
damp	*wal-a	801
	*nat'-a	927
dampness	*wal-a	801
	*nat'-a	927
dancing	*raq'-a	968
dangle, to	*dulʸ-	174
	*t͡ɬʰuŋ-V-kʰ-	607
dark	*bal-a	18
	*borʸ-a	56
	*dar-a	154
	*dum-a	177
	(*dum-k'ʷ-a >) *dun-k'ʷ-a	178
	*tʰum-a	214
	*kʰar-a	429
	*k'ar-a	480
	*ħag-a	704
	*mar-a	882
	*rum-a	975
dark, that which is	*bul-a	68
dark, to be	*t'uq'ʷ-	247
dark, to be or become	*bal-	18
	*dar-	154

English Meaning	Proto-Nostratic	Number
	*γam-	782
dark, to become	*dum-	177
	*t^hum-	214
	*rum-	975
dark, to grow	*rum-	975
dark, to make	*dum-	177
	*t'^{y}al- and/or *t'^{y}il-	266
dark cloud	*k'ar-a	480
dark-colored	*bor^y-a	56
	*k'ar-a	480
dark-colored, that which is	*bul-a	68
dark color	*bor^y-a	56
dark spot	*dar-a	154
darken, to	*dum-	177
	*rum-	975
darkness	*bal-a	18
	*dar-a	154
	*dum-a	177
	(*dum-k'^{w}-a >) *dun-k'^{w}-a	178
	*t^hum-a	214
	*t'uq'^{w}-a	247
	*t'^{y}al-a and/or *t'^{y}il-a	266
	*k^har-a	429
	*k'ar-a	480
	*ħag-a	704
	*γam-a	782
	*rum-a	975
daughter-in-law	*k'el-a	486
	*nus^y-a	935
day	*daɢ-a	147
daylight	*dil^y-a	165
(deadly) disease	*daw-a	158
deal (= trade; exchange), to	*wos-	836
death	*daw-a	158
	*ǯaʔ-a	329
	*k'^{w}ed-a	549
	*q'^{w}al-a	589
	*ħul-a	741
	*wed-a	827
	*mar^y-a	885
deathly sick, to become	*daw-	158
debilitated	*ʔeb-a	657
debilitated, to be	*nus^y-	936

English Meaning	Proto-Nostratic	Number
debilitated, to become	*ʔeb-	657
decay	*bul-a	69
	*t^haħ-a	185
	*k'^{w}ed-a	549
	*was^y-a	820
decay, to	*bad-	9
	*k'er-	489
	*k'^{w}ed-	549
	*was^y-	820
	*mar^y-	885
decayed	*k'er-a	489
deceive, to	*mak^h-	855
deceived, to be	*mak^h-	855
deception	*mak^h-a	855
declaration	*bak^h-a	16
declare, to	*bak^h-	16
decline	*bul-a	69
decomposition	*was^y-a	820
decrease	*ʔek'-a	659
	*nus^y-a	934
decrease, to	*k'al-	463
	*k^{wh}ar-	521
	*ʔek'-	659
decree	*ħak'-a	707
decrepit	*ʒaw-a	333
deed	*daw-a	157
	*day-a	159
	*t^hik^h-a	206
	*k^{wh}ey-a	527
deep	*ʕam-a	749
deep place	*ʕam-a	749
deer	*ʔil-a (~ *ʔel-a)	668
defeat	*wel-a	828
deficiency	*k'al-a	463
	*ʔek'-a	659
	*ħiw-a, *ħiy-a	737
deficit	*gaʔ-a	350
deliberation	*ʕeŋ-a	759
delicate	*nus^y-a	934
delicate, to be	*nus^y-	934
delight	*p^{h}ar-a	98
delighted with, to be	*p^{h}ar-	98
deluge	*ʔib-a	666

English Meaning	Proto-Nostratic	Number
	**ħaw-a*	730
	**welʸ-a*	830
dense	**t'an-a*	226
	**k'an-a*	471
density	**t'an-a*	226
	**k'an-a*	471
depart, to	**gaʔ-*	350
	**γor-*	784
	**γor-V-b-*	784
	**wal-*	800
departing	**bar-a*	37
departure	**γor-a*	784
	**γor-b-a*	784
	**wal-a*	800
deprivation	**bad-a*	8
	**gaʔ-a*	350
deprive of, to	**k'al-*	463
deprived of	**gaʔ-a*	350
depth	**t'al-a*	222
deride, to	**ʒak'-*	295
descendant	**pʰasʸ-a*	110
	**pʰir-a*	119
	**ʔum-a*	684
	**nʸapʰ-a*	940
desire	**t'el-a*	237
	**haw-a*	697
	**win-a* or **wiŋ-a*	834
desire, ardent	**manʸ-a*	873
desire, to	**haw-*	697
	**win-* or **wiŋ-*	834
desire passionately, to	**manʸ-*	873
desolate	**bar-a*	38
desolate, to be or become	**bar-*	38
desolated area	**bad-a*	6
destroy, to	**cʰaħ-*	304
	**k'ʷed-*	549
	**ħal-*	708
	**ħul-*	741
	**mur-*	905
destoyed	**mur-a*	905
destruction	**gupʰ-a*	395
	**k'ʷed-a*	549
	**q'ʷal-a*	589

English Meaning	Proto-Nostratic	Number
	**ħal-a*	708
	**ħul-a*	741
	**nik^{h}-a*	931
detach, to	**law-*	957
detention	**k^{h}al-a*	409
deteriorate, to	**s^{y}en^{y}-*	282
devoted to, to be	**mal-*	860
dew	**t'al^{y}-a*	224
	**mat'-a*	888
die, to	**daw-*	158
	**ʒaʔ-*	329
die (from a fatal disease), to	**mar^{y}-*	885
difference	**ʔaŋ-a*	637
different	**t^{y}^{h}in-a*	260
	**ʔaŋ-a*	637
difficulty	**k'ac^{h}-a*	456
	**wal-a*	803
	**muŋ-a*	904
difficulty, to be in	**muŋ-*	904
difficulty, to cause	**muŋ-*	904
dig, that which is used to	**ɢar-a*	561
	**ʔak^{h}-a*	623
dig, to	**k^{h}ay-V-w-*	440
	**k^{w}^{h}ar-*	520
	**ɢar-*	561
	**ʔak^{h}-*	623
dig out, to	**gal-*	358
	**gup^{h}-*	395
	**ɢar-*	561
dig up, to	**ɢar-*	561
	**wur^{y}-*	842
digging	**k^{w}^{h}ar-a*	520
	**ʔak^{h}-a*	623
digging out, the act of	**gal-a*	358
diligence	**q^{h}ad-a*	570
diminish, to	**t^{h}aħ-*	185
	**k'al-*	463
	**k^{w}^{h}ar-*	521
	**ʔek'-*	659
diminished, to be or become	**k'al-*	463
diminishment	**ʔek'-a*	659
	**nus^{y}-a*	934
dip (= plunge; immersion)	**mus^{y}-a*	909

English Meaning	Proto-Nostratic	Number
	*mus^{y}-k'-a	909
dip, to	*ʕam-	749
dip in water, to	*mus^{y}-	909
	*mus^{y}-V-k'-	909
dip into, to	*t'al-	222
direct, to	*ħak'-	707
direction	*q^{h}ad-a	570
	*ħak'-a	707
dirt	*$t'uq'^{w}$-a	247
	*k'ar-a	480
	*mar-a	882
dirty	*k'ar-a	480
	*mar-a	882
dirty, to be	*$t'uq'^{w}$-	247
disagree, to	*mar-	877
disclose, to	*k^{h}al-	410
discourse	*t'il-a	239
disease	*gal-a	362
	*nus^{y}-a	936
disease, (deadly)	*daw-a	158
disheartened, to be	*ħag-	703
disjoined	*ʔar-a	641
dispersed	*t^{h}ar-a	195
dispute	*bur-a	73
	*mar-a	877
dispute, to	*mar-	877
dissipate, to	*bad-	5
dissipation	*bad-a	6
	*t^{h}aħ-a	185
dissolve, to	*ɢar-	560
dissolved	*ɢar-a	560
distance	*t'aw-a	232
	*ʔut'-a	686
distant	*k^{wh}al-	517
distinction	*mag-a	850
distress	*bad-a	7
	*k'al-a	465
	*ħag-a	703
	*wal-a	803
	*muŋ-a	904
distress, to be in	*muŋ-	904
distress, to cause	*muŋ-	904
distressed, to be	*ħag-	703

English Meaning	Proto-Nostratic	Number
distribute, to	**bay-*	40
disturb, to	**dal-*	149
	**dul-*	173
	**ɢal-*	557
	**nad^{y}-*	920
disturbance	**dal-a*	149
	**dul-a*	173
	**dul^{y}-a*	174
	**gal-a*	361
	**k'al-a*	465
	**ɢal-a*	557
	**nad^{y}-a*	920
disturbed, to be	**dal-*	149
	**dul-*	173
	**ɢal-*	557
	**mal-*	866
ditch	**ɢar-a*	561
	**ʔak^{h}-a*	623
	**wur^{y}-a*	842
dive into, to	**t'al-*	222
dive into water (bird), to	**ħaŋ-*	718
divide, to	**p^{h}ar-*	99
	**šiħ-*	347
	**k^{h}as-*	431
	**ʔaŋ-*	637
	**xal-*	770
	**law-*	957
divide into shares, to	**bay-*	40
divide into two parts, to	**t'uʔ^{w}-*	243
division	**t'aħ-a*	219
	**šiħ-a*	347
	**k^{h}as-a*	431
	**xal-a*	770
	**law-a*	957
division into two	**t'uʔ^{w}-a*	243
do, to	**daw-*	157
	**k^{h}am-*	414
	**k^{wh}ey-*	527
do something slowly, to	**hak^{h}-*	688
do together, to	**ɢam-*	558
do well, to	**c'al-* or **č'al-*	308
dog	**k^{h}uwan-a* or **k^{h}un-a*	454
down	**c'ar-*	309

English Meaning	Proto-Nostratic	Number
	*k^hat^h-	434
downpour	*bal-a	19
	*ʒar-a or *ǯar-a	296
drag	*t^har-a	194
drag, to	*t^har-	194
dragged along, something	*t^har-a	194
dragging	*wal-a	798
draw, to	*t^har-	194
draw near to, to	*ʔan^y-	634
draw (out), to	*mal-	862
draw out, to	*mad-	848
	*mat'-	887
	*rak'-	966
drawing, the act of	*rak'-a	966
drawn out	*rak'-a	966
dried mucous	*p^hak^h-a	85
dried up	*t^har-a	198
drill, to	*dur-	181
drink (= beverage)	*t^har-a	200
	*šaw-a	344
drink, to	*t^har-	200
	*šaw-	344
	*ʕun^y-	765
drinking, the act of	*t^har-a	200
drip	*ʒil-a or *ǯil-a	298
	*k'^{w}al^y-a	536
drip, to	*ban-	22
	*t'al^y-	224
	*k'^{w}al^y-	536
drive, to	*ʒag-	292
drive away, to	*gus-	398
drive together, to	*gid- or *ɢid-	381
drizzle	*duw-a	183
	*t'al^y-a	224
	*ʒar-a or *ǯar-a	296
drop (of water, rain, dew, etc.)	*ban-a	22
	*ʒil-a or *ǯil-a	298
drop, (rain)	*t'al^y-a	224
drop down, to	*k^hat^h-	434
dropping	*ʒil-a or *ǯil-a	298
drops, to fall in	*t'al^y-	224
drunk	*t^har-a	200
dry	*t^har-a	198

English Meaning	Proto-Nostratic	Number
	*c'aw-a	311
	*c'aw-l^{y}-a	311
dry, that which is	*c'aw-a	311
	*c'aw-l^{y}-a	311
dry, to be	*s^{y}aw-	278
dry, to be or become	*c'aw-	311
	*c'aw-V-l^{y}-	311
dry place	*s^{y}aw-a	278
dry up, to	*t^{h}ar-	198
	*was^{y}-	820
dryness	*t^{h}ar-a	198
	*s^{y}aw-a	278
duck (= aquatic bird)	*gaŋ-a	367
duck down, to	*lam-	952
	*lam-V-d-	952
dug (out), that which is	*ɢar-a	561
dug, that which is	*ʔak^{h}-a	623
dullness	*t^{y}h$^{}$um-a	263
(dumb, to be)	*dul-	173
dusk	*rum-a	975
dust	*duw-a	183
	*t^{h}or^{y}-a	210
	*t'uq'^{w}-a	247
dusty, to be	*t'uq'^{w}-	247
dwell, to	*q'^{w}ad-	587
	*man-	869
dwelling	*buw-a	80
	*k^{h}ay-a	438
	*q'^{w}ad-a	587
	*ʔil-a	667
	*wan-a	807
	*man-a	869
eagle	*ħur-a (and/or *ħer-a ?)	742
ear	*k^{h}ul-a	448
	*q'^{w}ar^{y}-a or *q'^{w}ur^{y}-a	593
earth	*diq^{h}-a	167
	*t^{h}or^{y}-a	210
	*ʔer-a	664
	*ʔul-a	682
	*ħak'-a	706
	*mag-a	851
eat, to	*bal-	20
	*bur-	76

English Meaning	Proto-Nostratic	Number
	*p^haħ-	84
	*q'am-	579
	*ʔak^h-	621
	*ʔit'-	672
	*ham-	694
	*ʕun^y-	765
eat greedily, to	*lab-	943
eaten, that which is	*ʔit'-a	672
eating	*lab-a	943
eating, the act of	*ʔit'-a	672
edge	*s^{y}ub-a	289
	*ʒag-a	294
	*gaŋ-a	368
	*gol-a	389
	*k^{h}ar-a	425
	*q'^{w}ar-a	591
effort	*muk'-a	901
effort, to make an	*woy-	838
efforts, to make great	*muk'-	901
egg	*ʔow-ħ-a	680
	*mun-a	903
	*mun-d-a	903
eject, to	*wam-	806
elder sister	*ʔen^{y}a	662
eldest	*wan-a	809
elevate, to	*k'ul-	498
	*war-	816
elevated	*dim-a	166
	*sal-a	321
elevated, to be	*ʕal-	747
elevated place	*dim-a	166
elevation	*ħon-a	740
else	*hal-	691
emaciated, to be or become	*c'aw-	311
	*c'aw-V-l^y-	311
ember	*ħas-a	726
embers	*k^{h}um-a	452
	*k'^{w}am-a	537
embers, (burning)	*d^{y}ak^{wh}-a	249
embers, glowing	*k'al-a	464
embrace	*ħap^h-a	719
eminent	*mag-a	850
eminent, to be	*t͡ɬ^{h}ir-	606

English Meaning	Proto-Nostratic	Number
	**mag-*	850
emptiness	**čʰal-a*	335
empty	**čʰal-a*	335
empty, to	**čʰal-*	335
encircle, to	**c'ur-*	314
encircles, that which	**c'ur-a*	314
enclose, to	**c'ur-*	314
	**gir-*	386
enclosed space	**gul-a* (~ **gol-a*)	393
encloses, that which	**c'ur-a*	314
enclosure	**c'ur-a*	314
	**gir-a*	386
end	**tʰal-a*	188
	**tʸʰar-a*	259
	**sʸub-a*	289
	**ǯaw-a*	333
	**kʷʰal-a*	516
	**k'ʷad-a*	533
	**ħul-a*	741
end, to	**kʷʰal-*	516
endurance	**tʰalʸ-a*	189
endure, to	**bad-*	7
	**tʰalʸ-*	189
	**tʰanʸ-*	191
endure, to cause to	**bad-*	7
enduring, to be	**man-*	869
engrave, to	**k'ir-* or **k'ur-*	491
	**xat'-*	775
engraved line	**xat'-a*	775
energy	**wak'-a*	796
energy, to act with	**woy-*	838
engraving	**bar-a*	35
	**xat'-a*	775
enjoy, to	**birʸ-*	52
enlarge, to	**darʸ-*	155
enough	**tʰir-a*	208
enough, to have	**tʰir-*	208
	**tʰir-V-pʰ-*	209
enough, to have more than	**tʰir-*	208
entreat, to	**pʰir-*	135
entreaty	**pʰir-a*	135
entwine, to	**net'ʸ-*	929
entwined, anything	**net'ʸ-a*	929

English Meaning	Proto-Nostratic	Number
entwining	*net'^{y}-a	929
enumerate, to	*t'il-	239
	*xal-	770
erect, to be or become	*gar^{y}-	374
escape	*her-a and/or *hor-a	701
	*wal-a	800
escape, to	*her- and/or *hor-	701
escaped	*her-a and/or *hor-a	701
essence	*k^{h}ar-a	430
establish, to	*daw-	157
established	*ʔas^{y}-a	646
established, to be	*man-	869
established, to be firmly	*dag-	146
esteemed, highly	*mag-a	850
esteemed, to be highly	*t͡ɬ^{h}ir-	606
	*mag-	850
evening	*γam-a	782
	*nak^{wh}-a	924
evident	*c'ar-a or *č'ar-a	310
	*gal-a	360
evident, to be or become	*c'ar- or *č'ar-	310
	*gal-	360
evil	*t'^{y}aw-a	273
	*ʔak^{h}-a	622
evil, to be	*ʔak^{h}-	622
exalted	*ʔad-a	617
	*mag-a	850
exalted, to be	*ʔad-	617
	*ʕal-	747
	*mag-	850
examination	*day-a	160
	*saħ-a or *šaħ-a	318
examine, to	*day-	160
	*saħ- or *šaħ-	318
excavation	*k^{wh}ar-a	520
exceed, to	*d^{y}iʔ-	254
	*c'al- or *č'al-	308
	*maħ-	853
	*mik'-	896
excellence	*mag-a	850
	*maħ-a	853
excess	*t^{h}ir-p^{h}-a	209
	*gar^{y}-a	373

English Meaning	Proto-Nostratic	Number
	**mik'-a*	896
excess, to be in	**mik'-*	896
excite, to	**wak'-*	796
exhale, to	**p^{h}uw-*	138
exhausted	**dal^{y}-a*	150
	**t^{h}an^{y}-a*	192
	**ʔeb-a*	657
	**xal-a*	769
exhausted (from straining, laboring), to become	**k'ac^{h}-*	456
exhausted, to be or become	**was^{y}-*	819
exhausted, to become	**ʔeb-*	657
exhausted, to grow	**t^{h}an^{y}-*	192
exhaustion	**dal^{y}-a*	150
	**t^{h}an^{y}-a*	192
	**ʔeb-a*	657
	**xal-a*	769
	**was^{y}-a*	819
exist, to	**ʔil-*	667
existence	**k'al-a*	466
existing	**ʔil-a*	667
expand, to	**bar-*	26
	**bul-*	63
	**bun-*	70
	**bun-V-g-*	70
	**t^{h}ar-*	195
	**k^{h}aw-*	436
	**war-*	815
	**mad-*	848
	**man-*	871
	**man-V-g-*	872
	**mat'-*	887
	**mik'-*	896
expanse	**p^{h}al-a*	89
	**t^{h}ar-a*	195
	**ħak'-a*	706
expansion	**bul-a*	63
	**k^{h}aw-a*	436
experience	**bad-a*	7
	**ħin-k^{h}-a*	736
experience, to	**bad-*	7
explain, to	**k^{h}al-*	410
explanation	**k^{h}al-a*	410

English Meaning	Proto-Nostratic	Number
expression	**yan-a*	787
extend, to	**pʰal-*	89
	**pʰatʰ-*	112
	**tʰalʸ-*	189
	**tʰanʸ-*	191
	**tʰar-*	195
	**t'al-*	223
	**c'al-* or **č'al-*	308
	**ħak'-*	706
	**war-*	815
	**rak'-*	966
extended	**pʰar-a*	100
	**tʰalʸ-a*	189
	**tʰanʸ-a*	191
	**rak'-a*	966
extending, the act of	**rak'-a*	966
extension	**pʰar-a*	100
	**tʰanʸ-a*	191
	**rak'-a*	966
extent	**mad-a*	848
	**mat'-a*	887
exterior	**ʔut'-a*	686
extinction	**ǯaw-a*	333
extinguish, to	**gupʰ-*	395
extinguished, to be	**gupʰ-*	395
extra	**ʔapʰ-a*	640
extra, that which is	**ʔapʰ-a*	640
extra, to be	**ʔapʰ-*	640
eye	**k'anʸ-a*	475
	**t͡ɬʰil-a* or (?) **t͡ɬʰid͡ʒ-a*	605
	**ʔil-a*	669
eyebrow	**bur-a*	79
eyelash	**bur-a*	79
face	**pʰaŋ-a*	97
fade, to	**tʸʰum-*	263
	**ǯaʔ-*	329
	**wal-*	803
	**wasʸ-*	820
faint, to grow	**dow-*, **doy-*	169
	**sʸenʸ-*	282
falcon	**ħur-a* (and/or **ħer-a* ?)	742
fall	**bad-a*	9
	**pʰul-a*	125

English Meaning	Proto-Nostratic	Number
fall, to	*p^hul-	125
fall down, to	*bad-	9
	*p^hul-	125
	*c'ar-	309
	*k^hat^h-	434
fall ill, to	*mar^y-	885
fall in drops, to	*$t'al^y$-	224
fall into, to	*t'al-	222
fallen	*p^hul-a	125
falling down, the act of	*c'ar-a	309
fallow land	*bar-a	38
fame	*k^hul-a	448
far away	*t'aw-a	232
	*$k^{wh}al$-	517
far off	*$k^{wh}al$-	517
fart	*p^has^y-a	108
fart, to	*p^has^y-	108
farthest point	*mun-a	902
fashion, to	*t^hik^h-	206
	*$k^{wh}ey$-	527
	*lip'-	961
fashion something, tool used to	*t^hik^h-a	206
fashioning something, the act of	*t^hik^h-a	206
fast, to make	*dab-	145
fasten, to	*baʕ-	2
	*bin-	47
	*sak'^{w}-	320
	*ǯal-	332
	*k^had-	406
	*k'ad-	458
	*$k^{wh}ir$-	529
	*rak^h-	964
fasten (together), to	*ban-V-d-	25
	*dab-	145
	*rak^h-	965
fasten together, to	*t^hak^h-	186
	*k'a$č^h$-	457
fasten two things together, to	*k^hol^y-	446
fastening	*baʕ-a	2
	*dab-a	145
	*sak'^{w}-a	320
	*k^had-a	406
	*k'a$č^h$-a	457

English Meaning	Proto-Nostratic	Number
	**k'ad-a*	458
fastening (together), the act of	**rak^{h}-a*	965
fat (= large)	**bun-g-a*	70
	**t^{h}aw-a*	202
	**k'an-a*	471
	**ħay-t'-a*	734
	**man-g-a*	872
(fat [= grease])	**p^{h}ul^{y}-a*	127
fat (= grease)	**mar-a*	881
fat (= lard)	**s^{y}il-a*	283
fat, that which is	**p^{h}ul^{y}-a*	127
fat, to be	**ħay-V-t'-*	734
fatal disease	**mar^{y}-a*	885
father	**baba*	3
	**ʔab(b)a ~ *ʔap^{h}(p^{h})a*	616
	**ʔat^{h}t^{h}a*	647
	**ʔay(y)a*	655
fatigue	**dow-a*, **doy-a*	169
	**t^{h}an^{y}-a*	192
	**t^{y}^{h}um-a*	263
	**xal-a*	769
	**was^{y}-a*	819
	**muk'-a*	901
fatigued, to be or become	**was^{y}-*	819
fatigued (from straining, laboring), to become	**k'ac^{h}-*	456
fat(ness)	**p^{h}uʔ-a*	124
fatness	**k'an-a*	471
fatten, to	**p^{h}uʔ-*	124
fault	**gal-a*	363
favor	**ħan-a*	715
favor, to show	**ħan-*	715
favorably disposed towards, to be	**mal-*	860
fear	**p^{h}el-a*	116
	**p^{h}ir-a*	122
	**s^{y}ur-a*	290
	**naħ-a*	922
fear, to	**p^{h}ir-*	122
	**s^{y}ur-*	290
	**naħ-*	922
fearful, to be	**p^{h}el-*	116
feathers, (fine, soft)	**bur-a*	78
feed	**ʔak^{h}-a*	621

English Meaning	Proto-Nostratic	Number
feed, to	*k'al-	461
feed (on), to	*ʕun^{y}-	765
feeding	*p^{h}in^{y}-a	118
feel, to	*gas^{y}-	375
feel affection for, to	*p^{h}ar-	98
feeling	*san-a or *šan-a, *sin-a or *šin-a, *sun-a or *šun-a	323
female	*nus^{y}-a	935
female connected by marriage, any	*nus^{y}-a	935
female in-law	*k^{h}al-a	407
	*k'el-a	486
female relative	*ʔay(y)a	654
	*nat'-a	926
female relative, (older)	*ʔaŋ(ŋ)a	638
female relative, older	*ʔak^{h}k^{h}a	624
	*ʔema	661
fence	*gir-a	386
fetter	*k^{h}am-a or *q^{h}am-a	413
few things	*k'al-a	463
fiber (= string; cord)	*k'aŋ-a	473
field	*q'an-a	580
	*ħak'-a	706
	*wel^{y}-a	829
fierce, to be	*xam-	771
	*xam-V-d-	771
fiery, to be	*ʔek^{h}-	658
fight	*bur-a	73
	*ʁal-a	557
	*q^{h}at^{h}-a	574
	*wel-a	828
	*mar-a	877
	*laħ-a	947
fight, to	*bur-	73
	*q^{h}at^{h}-	574
	*wel-	828
	*laħ-	947
fight against, to	*mar-	877
fight with, to	*mar-	877
fill, to	*p^{h}al-	91
	*t'an-	226
	*mal-	859
fill (up), to	*gam-	366

English Meaning	Proto-Nostratic	Number
filled	*$k'^{w}aħ$-*a*	534
	*waš-*a*	821
	*mal-*a*	859
fine, to be	*$s^{y}uw$-	291
fingernail	*$t'^{y}ip^{h}$-*a*	275
finish (= completion)	*$k^{wh}al$-*a*	516
finish, to	*$k^{wh}al$-	516
fire	*bud-*a*	57
	*$p^{h}aħ$-*a*	130
	*$p^{h}aħ$-w-*a*	130
	*dul-*a*	172
	*$d^{y}ak^{wh}$-*a*	249
	*$g^{w}ir$-*a*	511
	*$k'^{w}as$-*a*	545
	*$ʔak^{wh}$-*a*	626
	*ʕal-*a*	748
fire, to be on	*hag-	687
fire, to light a	*ʕal-	748
fire, to make a	*ʕal-	748
fire to, to set	*wal-	802
firewood	*$t\!\!\downarrow^{h}er$-*a*	603
firm (= solid)	*$t^{h}ik'$-*a*	207
	*$t'^{y}ar$-*a*	268
	*$k^{h}ar$-*a*	426
	*ʕur-*a*	766
firm, to be	*ʕur-	766
	*man-	869
firm grip	*$d^{y}ar$-*a*	251
firmly attached, to be	*$t'^{y}ar$-	268
firmly established, to be	*dag-	146
firmness	*$t^{h}ik'$-*a*	207
	*$t'^{y}ar$-*a*	268
	*$k^{h}ar$-*a*	426
	*ʕur-*a*	766
first	*$p^{h}ar$-*a*	101
	*wan-*a*	809
first-born	*wan-*a*	809
first person personal pronoun stem (stative)	*$k^{h}a$-	401
first, to be	*mun-	902
fish	*dig-*a*	163
fish, (a kind of)	*min-*a*	897
fish, large	*$k^{wh}al$-*a*	518

English Meaning	Proto-Nostratic	Number
fissure	*$t^{y}{}^{h}$al-m-a	258
fist	*k'om-a	492
fit (= appropriate)	*t'ak^{h}-a	220
fit, to be	*t'ak^{h}-	220
fit (together), to	*rak^{h}-	965
fit together, to	*dab-	145
fit two things together, to	*k^{h}ol^{y}-	446
fitness	*t'ak^{h}-a	220
fitting (= joining)	*dab-a	145
fitting (= proper)	*s^{y}uw-a	291
fitting, to be	*s^{y}uw-	291
fitting (together), the act of	*rak^{h}-a	965
flame	*p^{h}aħ-a	130
	*p^{h}aħ-w-a	130
	*d^{y}ak^{wh}-a	249
	*war-a	817
flank (= side)	*gaŋ-a	368
flash, to	*bar-	33
flat	*p^{h}al-a	89
	*t^{h}al^{y}-a	189
flat, that which is	*p^{h}al-a	89
flat of hand	*p^{h}al-a	90
flee, to	*p^{h}ar-	102
	*p^{h}ir-	120
	*her- and/or *hor-	701
fleeing	*p^{h}ar-a	102
	*p^{h}ir-a	120
flight	*p^{h}ar-a	102
	*p^{h}ir-a	120
	*her-a and/or *hor-a	701
	*wal-a	800
flock	*man-a	871
float, to	*wuy- or *Huy-	843
floating	*wuy-a or *Huy-a	843
flood	*bun-a	71
	*ʔib-a	666
	*wel^{y}-a	830
	*mor-a	900
flood, to	*wel^{y}-	830
flourish, to	*riy-	972
	*xan-	772
flow	*bal-a	19
	*bun-a	71

English Meaning	Proto-Nostratic	Number
	**dun-a*	179
	**dʸaw-a*	252
	**sʸor-a*	288
	**girʸ-a* or **ɢirʸ-a*	388
	**k'ʷalʸ-a*	536
	**wal-a*	801
flow, to	**bun-*	71
	**dʸaw-*	252
	**t'ʸor-*	276
	**ʒil-* or **ǯil-*	298
	**girʸ-* or **ɢirʸ-*	388
	**k'ʷalʸ-*	536
	**ɢal-*	556
	**ħapʰ-*	720
	**wal-*	801
	**waǯ-*	826
flow, to make to	**laħ-*	946
flow forth, to	**sʸor-*	288
	**ʒar-* or **ǯar-*	296
	**ʒil-* or **ǯil-*	298
	**sig-*	327
	**welʸ-*	830
flow (out), to	**dun-*	179
flow out, to	**ʒar-* or **ǯar-*	296
flowing	**dʸaw-a*	252
	**t'ʸor-a*	276
	**ʒil-a* or **ǯil-a*	298
	**sig-a*	327
	**ʔor-a*	676
	**laħ-a*	946
fluid	**maw-a*	889
flutter, to	**pʰar-*	102
	**pʰatʰ-*	111
	**pʰir-*	120
flux	**girʸ-a* or **ɢirʸ-a*	388
fly, to	**pʰar-*	102
	**pʰir-*	120
fly about, to	**duw-*	183
flying	**pʰar-a*	102
	**pʰir-a*	120
fodder	**ʔakʰ-a*	621
fog	**p'ulʸ-a*	141
	**dum-a*	177

English Meaning	Proto-Nostratic	Number
fold (= bend)	*k'un-a	504
fold together, to	*k'ačʰ-	457
	*k'un-	504
folded, that which is	*k'un-a	504
fond of, to be	*pʰar-	98
food	*bur-a	76
	*pʰaħ-a	84
	*tɬ'ar-s-a	609
	*ʔakʰ-a	621
	*ʔit'-a	672
	*ʕunʸ-a	765
foolish	*ʔeb-a	657
foolishness	*ʔeb-a	657
foot	*pʰat'-a	113
	*kʰab-a	404
	*lakʰ-a	949
for	*ʔanʸ-	635
force	*tʰalʸ-a	190
	*tʰur-a	216
	*ʒag-a	292
	*gid-a or *ɢid-a	381
force, to	*tʰalʸ-	190
force together, to	*gid- or *ɢid-	381
forefather	*ʔab(b)a ~ *ʔapʰ(pʰ)a	616
forehead	*pʰaŋ-a	97
	*q'aw-a	582
foremost	*pʰar-a	101
foremost (person or thing)	*xaŋ-tʰ-a	774
foremost, that which is	*xaŋ-a	773
foremost, to be	*mun-	902
foremost person	*ner-a	928
foremost thing	*ner-a	928
form	*sam-a	322
	*lip'-a	961
form, to	*tʰikʰ-	206
	*kʷʰey-	527
	*lip'-	961
form something, tool used to	*tʰikʰ-a	206
forming something, the act of	*tʰikʰ-a	206
forsake, to	*gaʔ-	350
forsaken	*gaʔ-a	350
forth from, to go	*gus-	398
forth from, to make to go	*gus-	398

English Meaning	Proto-Nostratic	Number
fortitude	*k^har-a	426
fowl, wild	*ɢar^y-a	563
	*ɢar^y-ɢar^y-a	563
fracture	*mur-a	905
fragment	*dum-a	175
	*dun^y-a	180
	*c^hal-a	306
	*gad-a	355
	*k^has-a	431
fragrance	*ʕut'-a	767
free-born	*ħar-a	723
freed	*her-a and/or *hor-a	701
freed (from)	*$č^h$al-a	335
freedom	*$č^h$al-a	335
freeze, to	*gil-	383
	*k^hir-	444
	*k'ul^y-	499
	*q'in-	584
fresh, to be	*ʔax-	620
friend	*ʔar-a	643
fright	*p^hel-a	116
frighten, to	*s^{y}ur-	290
frightened, to be	*p^hel-	116
	*ħat'-	728
frightened, to be or become	*s^{y}ur-	290
front	*gab-a	351
	*xaŋ-t^h-a	774
front part	*p^haŋ-a	97
	*s^{y}ub-a	289
	*gab-a	351
	*xaŋ-t^h-a	774
frost	*k^hir-a	444
	*k'ul^y-a	499
	*q'in-a	584
fruit	*bir^y-a	52
	*p^hir-a	119
	*$č^h$an-a	336
fruit, to bear	*p^hir-	119
fulfillment	*k^{wh}al-a	516
full	*t^haw-a	202
	*t^hir-a	208
	*waš-a	821
	*maħ-a	853

English Meaning	Proto-Nostratic	Number
	**mal-a*	859
full, to be or become	**mal-*	859
fullness	**ƀuw-a*	81
	**pʰal-a*	91
	**pʰuʔ-a*	124
	**tʰir-a*	208
	**ħapʰ-a*	719
	**maħ-a*	853
	**mal-a*	859
	**mik'-a*	896
fur	**ƀur-a*	78
furious, to be	**ʔekʰ-*	658
furnace	**gub-a*	391
furrow	**ɢar-a*	561
fury	**qʰatʰ-a*	574
	**ʔekʰ-a*	658
gain	**ħin-kʰ-a*	736
gain, to	**ħin-V-kʰ-*	736
game (= wild animals)	**guw-a*	400
	**guw-r-a*	400
gap	**tʸʰal-m-a*	258
gape	**haŋ-a*	695
gape, to	**haŋ-*	695
gash	**dal-a*	148
	**waŋ-a*	811
gash, to	**dal-*	148
gasp, to	**šaw-*	345
gather, to	**k'er-*	490
	**ʔas-*	645
	**lak'-*	950
gather (together), to	**gid-* or **ɢid-*	381
gather together, to	**kʰam-*	415
	**k'atʰ-*	483
	**ɢam-*	558
gather (with the hands or arms), to	**ħapʰ-*	719
gathered	**lak'-a*	950
gathered, that which as been	**ħapʰ-a*	719
gathering	**kʰam-a*	415
	**k'atʰ-a*	483
	**k'er-a*	490
	**ɢam-a*	558
gathering, the act of	**ʔas-a*	645
gazelle	**ʔar-a*	644

English Meaning	Proto-Nostratic	Number
genitals (male or female)	*$p^hit'^y$-*a*	123
	*$q'al^y$-*a*	578
genitals, male	*p^has^y-*a*	110
gentle	**rom-a*	973
get, to	**sag-* or **šag-*	317
	**k'an-*	469
get rid of, to	*$č^hal$-	335
gift	*$t'ox^w$-*a*	242
	**gib-a*	380
	**mig-a*	883
gimlet	**bur-a*	74
gird, to	**gir-*	386
	**yaʔ-*	785
girdle	**yaʔ-a*	785
give, to	*$t'ox^w$-	242
	**gib-*	380
	**mig-*	883
give back, to	**muy-*	910
give birth, to	**bar-*	30
	*s^yaw- or *s^yew-	279
	**ʔum-*	684
	**γil-*	783
give birth to, to	*$p^hit'^y$-	123
give off smoke, vapor, steam, to	*$p'ul^y$-	141
given back, that which is	**muy-a*	910
giving	*$t'ox^w$-*a*	242
gleam	**bal-a*	21
gleam, to	**t'ay-* or **t'iy-*	235
gleaming	**ɢil-a*	567
	**law-a*	956
glide, to	**ʒil-* or **ǯil-*	299
	**gil-*	382
gliding	**gil-a*	382
gliding, the act of	**ʒil-a* or **ǯil-a*	299
glisten, to	**ɢil-*	567
	**ʔel-*	660
glistening	**ɢil-a*	567
glitter	**bal-a*	21
	*wal^y-*a*	805
glitter, to	**daɢ-*	147
	**t'ay-* or **t'iy-*	235
	**q'al-* or **q'el-*	577
	**ʔel-*	660

English Meaning	Proto-Nostratic	Number
globe	**ɢʷal-a*	585
glorious	**mag-a*	850
glorious, to be	**t͡ɬʰir-*	606
	**mag-*	850
glory	**mag-a*	850
glow	**law-a*	956
glow, to	**t'ay-* or **t'iy-*	235
glowing	**kʰum-a*	452
	**law-a*	956
glowing, to be	**k'ʷam-*	537
glowing embers	**k'al-a*	464
glued	**t͡ɬ'im-a*	611
gnat	**k'uɢ-n-a* (~ **k'oɢ-n-a*)	497
gnaw, to	**t͡ɬ'ar-*	609
	**t͡ɬ'ar-V-s-*	609
go, to	**buw-*	80
	**pʰar-*	105
	**t'aw-*	232
	**gaʔ-*	350
	**girʸ-* or **ɢirʸ-*	388
	**kʷʰal-*	513
	**k'ʷal-*	535
	**ɢal-*	555
	**ʔay-*	652
	**ʔiy-*	673
	**wal-*	800
	**naʕ-*	916
go across, to	**pʰar-*	105
go after (= follow), to	**k'ʷal-*	535
go after (= pursue), to	**mar-*	880
go around, to	**kʷʰal-*	514
go (away), to	**bar-*	37
go away, to	**t'aw-*	232
	**k'ʷal-*	535
	**γor-*	784
	**γor-V-b-*	784
	**wal-*	800
go behind (= follow), to	**k'ʷal-*	535
go forth, to	**pʰar-*	105
go forth from, to	**gus-*	398
go on foot, to	**lakʰ-*	949
go out, to	**pʰar-*	105
go outside of, to	**gus-*	398

English Meaning	Proto-Nostratic	Number
go over, to	*p^har-	105
go (round), to	*mar-	880
go up, to	*sal-	321
go, to let	*t'aw-	232
	*$č^h$al-	335
goal	*t^yhar-a	259
goat	*bag-a	11
	*dur-a	182
	*ʔar-a	644
goat, (young)	*$t\underset{⌒}{ɬ}^h$aħ-a	596
goat, young	*gad-a	356
goes round and round, that which	*k^{wh}al-a	515
going	*buw-a	80
	*p^har-a	105
going (away)	*bar-a	37
going, the act of	*ɢal-a	555
good	*bar-a	34
	*mal-a	860
good, to be	*s^yuw-	291
good, to do	*bar-	34
goodness	*bar-a	34
	*mal-a	860
goose	*gaŋ-a	367
goose, wild	*ɢar^y-a	563
	*ɢar^y-ɢar^y-a	563
gossip	*war-a and/or *wir-a	818
gouge	*ʔak^h-a	623
gouge, to	*dal-	148
gracious, to be	*ħan-	715
graciousness	*ħan-a	715
gradually (= slowly)	*hak^h-	688
gradually, to do or approach something	*hak^h-	688
gradualness	*hak^h-a	688
grain (= seed)	*bar-a	32
	*yiw-a (~ *yew-a)	789
grain, a kind of	*hay-a	698
grain, (unripe or blighted)	*p^hat'-a	114
grandeur	*mag-a	850
grasp	*bar-a	31
	*p^hid-a	117
	*k'ab-a	455
	*ʔam-a	629
	*ʕap'-a	754

English Meaning	Proto-Nostratic	Number
grasp, to	*bar-	31
	*$t^h ek^h$-	203
	*gab-	353
	*gar-	369
	*gat'-	376
	*$k^h am$- or *$q^h am$-	413
	*k'aw-	485
	*k'um-	501
	*ʔam-	629
	*ʕap'-	754
	*wot^h-	837
	*lab-	942
grasp with the hand, to	*$k^h ap^h$-	419
grasped	*ʔam-a	629
grasping	*lab-a	942
grasping, the act of	*$t^h ek^h$-a	203
	*wot^h-a	837
grass	*č'am-a	339
grate, to	*ɢar-	560
grated	*ɢar-a	560
grating, the act of	*ɢar-a	560
gray	*$p^h ar^y$-a	107
gray hair	*$t\underset{\smile}{ɬ}^h ay$-a	602
gray, (hair) to turn	*$p^h ar^y$-	107
	*$t\underset{\smile}{ɬ}^h ay$-	602
(grease)	*$p^h ul^y$-a	127
grease	*mar-a	881
great	*bir-a	49
	*gad-a	354
	*ħal^y-a	711
	*maʔ-a	847
	*maħ-a	853
	*mak'-a	856
	*mik'-a	896
great, to be	*maħ-	853
	*mak'-	856
great, to be or become	*gad-	354
great amount	*ħaw-a	731
great importance, to be of	*mag-	850
great influence, to be of	*mag-	850
great number	*ħaw-a	731
	*man-g-a	872
great power, to be of	*mag-	850

English Meaning	Proto-Nostratic	Number
great quantity	*gar^{y}-*a*	373
greatness	**bir-a*	49
	**gad-a*	354
	**maħ-a*	853
grief	**ħag-a*	703
grief, exclamation of	**hay*	699
grime	**k'ar-a*	480
grind, to	**bul-*	69
	**t'aħ-*	219
	c^{h}aħ-	304
	**gin-*	385
	k'^{w}ar-	542
	**ɢar-*	560
	**q'am-*	579
	**ħur-*	743
	**wal-*	803
	was^{y}-	820
grind down, to	**mel-*	890
	**mol-*	899
grinding	*c^{h}aħ-a*	304
grinding, the act of	*c^{h}aħ-a*	304
	**gin-a*	385
	**ɢar-a*	560
	was^{y}-a	820
grinding pestle	*k'^{w}ar-a*	542
grinding stone	*k'^{w}ar-a*	542
grip	*k^{h}am-a* or *q^{h}am-a*	413
	**k'ab-a*	455
grip, firm	*d^{y}ar-a*	251
grip, to	*k^{h}am-* or *q^{h}am-*	413
groan	**k'um-a*	500
	k'^{w}as-a	546
	**ɢar-a*	559
	**ɢar-ɢar-a*	559
groan, to	**k'um-*	500
	k'^{w}as-	546
	**ɢar-*	559
	**ɢar-ɢar-*	559
groove	*k^{wh}ar-a*	520
ground (= pulverized)	**mol-a*	899
ground (= pulverized), anything	**t'aħ-a*	219
	**ɢar-a*	560
ground (= land)	**ʔer-a*	664

English Meaning	Proto-Nostratic	Number
	*ʔul-a	682
ground (= land), elevated	*t'id-a	238
group of two	*yor-a	790
grow, to	*bir-	49
	*buw-	81
	*čʰan-	336
	*garʸ-	373
	*kʰaw-	436
	*ħalʸ-	711
	*ħon-	740
	*ʕag-	745
	*war-	816
	*man-	871
	*man-V-g-	872
	*mik'-	896
	*liʔ-	960
	*riy-	972
grow faint, to	*dow-, *doy-	169
	*sʸenʸ-	282
grow old, to	*pʰarʸ-	107
	*tʰanʸ-	192
	*sʸenʸ-	282
	*t͡ɬʰay-	602
	*watʰ-	822
grow thin, to	*tʰaħ-	185
grow (up), to	*nʸaʕ-V-r-	937
grow weak, to	*dow-, *doy-	169
grow weary, to	*dow-, *doy-	169
growl, to	*gur-	396
growling noise or sound	*gur-a	396
grown	*ħalʸ-a	711
grown, that which is	*čʰan-a	336
growth	*bul-γ-a	65
	*bun-a	70
	*buw-a	81
	*tʸʰiq'ʷ-a	261
	*garʸ-a	373
	*kʰaw-a	436
	*ħaw-a	731
	*mik'-a	896
	*riy-a	972
grub (= maggot; larva)	*kʷʰur-a	531
grumble	*k'um-a	500

English Meaning	Proto-Nostratic	Number
grumble, to	*ɢar-	559
	*ɢar-ɢar-	559
guard	*war-a	813
guard, to	*k^hal-	409
guardian	*man-a	870
guardianship	*war-a	813
	*man-a	870
guidance	*ħak'-a	707
guide	*day-a	161
guide, to	*ħak'-	707
gully	*ɢal-a	556
gulp down, to	*$x^w el^y$-	780
gurgle, to	*gur-	396
gurgling noise or sound	*gur-a	396
gush	*s^yor-a	288
	*$k'^w al^y$-a	536
gush forth, to	*s^yor-	288
	*ʒar- or *ǯar-	296
	*$k'^w al^y$-	536
	*nab-	917
gushing forth	*nab-a	917
gut	*gur-a	397
gutter (= ditch)	*ɢar-a	561
habitation	*ʔil-a	667
hair	*$t\!\!\downarrow^h i\varsigma$-r-a	604
hair, (body)	*bur-a	78
hair, (young, fine, or soft)	*wun-d-a (~ *won-d-a)	840
half	*ʔar-a	641
half-witted	*ʔeb-a	657
hammer	*t'^yad-a	264
hammer, to	*t'^yad-	264
hand	*p^haŋ-a	96
	*p^haŋ-k^{wh}-a	96
	*d^yar-a	251
	*gab-a	353
	*gar-a	369
	*gas^y-a	375
	*gat'-a	376
	*$k^h ap^h$-a	419
	*k'aw-a	485
	*k'om-a	492
	*ħar-a	722
	*man^y-a	875

English Meaning	Proto-Nostratic	Number
hand, flat of	*p^hal-a	90
hand(ful)	*k^ham-a or *q^ham-a	413
	*ʔam-a	629
handful	*k'er-a	490
	*ħap^h-a	719
handful, to take a	*k'er-	490
handle	*p^haŋ-a	96
	*p^haŋ-k^{wh}-a	96
handle, to	*p^haŋ-	96
	*p^haŋ-V-k^{wh}-	96
	*gas^y-	375
hang, to	*dul^y-	174
	*t̪ɬ^{h}uŋ-V-k^h-	607
hang up, to	*t̪ɬ^{h}uŋ-V-k^h-	607
hanging	*dul^y-a	174
happen, to	*bad-	7
happening	*bad-a	7
happiness	*mak'-a	857
happy, to be	*p^har-	98
	*mak'-	857
harass, to	*dal^y-	150
hard	*t'^{y}ar-a	269
	*k^har-a	426
	*ʕur-a	766
hard, that which is	*t'^{y}ar-a	269
hard, to be	*t'^{y}ar-	269
	*ʕur-	766
hard work	*q^had-a	570
hardness	*t^hik'-a	207
	*k^har-a	426
	*ʕur-a	766
harm	*dar-a	153
	*t'aw-a	233
	*d^{y}ab-a	248
	*g^{w}an-a	508
	*t̪ɬ^{h}ar-a	599
	*ʔak^h-a	622
	*waŋ-a	811
	*nik^h-a	931
harm, to	*dar-	153
	*d^{y}ab-	248
	*g^{w}an-	508
	*ʔak^h-	622

English Meaning	Proto-Nostratic	Number
harm, to cause	*$t\underline{ɬ}^h$*ar-*	599
harmful	**dar-a*	153
harnessed	*$t\underline{ɬ}$*'im-a*	611
harsh (= coarse; rough)	**bar-a*	29
harsh (= pungent)	*k^h*ar-a*	428
harsh (of sounds)	*$k^h at^h$*-a*	435
harsh, to be	**bar-*	29
harsh screech, to make a	*$k^h at^h$*-*	435
harsh sound, to make a	*$k^h at^h$*-*	435
harshness (= coarseness; roughness)	**bar-a*	29
harshness (= pungency)	*k^h*ar-a*	428
haste	*$p^h at^h$*-a*	111
hasten, to	*p^h*ar-*	102
	*p^h*at'-*	113
	*p^h*ir-*	120
	gir^y- or *$ɢir^y$*-	388
hasten in advance, to	*p^h*ar-*	101
hasty	**ʔor-a*	676
hatch eggs, to	**ʔow-V-ħ-*	680
hatchet	**ħaʒ-a*	735
haulm	*$k^h al^y$*-a*	411
hawk	**ħur-a* (and/or **ħer-a* ?)	742
hawk-like bird	**ħur-a* (and/or **ħer-a* ?)	742
haze (= mist)	*$p'ul^y$*-a*	141
he	**si-* (~ **se-*)	326
he-goat	**buk'-a* (~ **bok'-a*)	62
head	*p^h*aŋ-a*	97
	*t^h*al-a*	188
	*k^h*ir-a*	443
	**q'aw-a*	582
	*$ɢ^w$*al-a*	586
headman	**ħak'-a*	707
health	*s^y*ol-a*	287
	$ħal^y$-a*	711
healthy	*$ħal^y$*-a*	711
heap	*t^h*ul-a*	213
	**gid-a* or **ɢid-a*	381
	*k^h*aw-a*	436
	*k^h*um-a*	450
	**k'um-a*	501
heap up, to	*k^h*um-*	450
	**waš-*	821
heaped up	**waš-a*	821

English Meaning	Proto-Nostratic	Number
hear, to	*sad^{y}-	316
	*$k^{h}ul$-	448
	*$q'^{w}ar^{y}$- or *$q'^{w}ur^{y}$-	593
hearing	*sad^{y}-*a*	316
heart	*$k^{h}ar$-*a*	430
heat	*$p^{h}ek^{wh}$-*a*	115
	*dul-*a*	172
	*$t^{h}ep^{h}$-*a*	204
	*t'ab-*a*	217
	*t'ay-*a* or *t'iy-*a*	235
	*$s^{y}ax^{w}$-*a*	281
	*$k^{h}ay$-*a*	439
	*$k^{h}um$-*a*	452
	*$g^{w}ir$-*a*	511
	*$k'^{w}am$-*a*	537
	*$k'^{w}at'$-*a*	547
	*ʔak^{wh}-*a*	626
	*ħas-*a*	726
	*wal-*a*	802
	*war-*a*	817
heat of sun	*hag-*a*	687
heat, to	*$p^{h}ek^{wh}$-	115
	*$p^{h}aħ$-	130
	*$p^{h}aħ$-*V*-*w*-	130
	*$k^{h}ay$-	439
heat up, to	*dul-	172
	*t'ab-	217
	*$s^{y}ax^{w}$-	281
	*wal-	802
heated	*$t\underset{\smile}{l}^{h}er$-*a*	603
heaviness	*$k'^{w}ur^{y}$-*a*	553
heavy	*$k'^{w}ur^{y}$-*a*	553
heavy, to be	*$k'^{w}ur^{y}$-	553
heavy rain	*nab-*a*	918
heed	*guw-*a*	399
heed, to	*guw-	399
he-goat	*$k^{h}ab$-*a*	403
heifer	*$p^{h}ar$-*a*	103
	*$p^{h}ur$-*a*	128
height	*bir-*a*	49
	*bir-g-*a*	49
	*t'al-*a*	223
	*sal-*a*	321

English Meaning	Proto-Nostratic	Number
	*k^haw-*a*	436
	*k^hil^y-*a*	442
	*ħon-*a*	740
held	*ʔam-*a*	629
her [oblique]	*si- (~ *se-)	326
her [possessive]	*-si (~ *-se)	326
herd	*man-*a*	871
herd of small animals	*ʕuw-*a* (~ *ʕow-*a*)	768
herdsman	*man-*a*	870
hero	*p^har-*a*	101
hide (= animal skin)	*$p^hač'$-*a*	83
	*p^hal-*a*	131
	*k^har-*a*	423
	*k'^woy-*a*	552
	*nak^h-*a*	923
hide, to	*p^hal-	95
	*t^hum-	214
	*k^hal^y-	412
	*ħag-	704
	*γam-	782
high	*bir-g-*a*	49
	*t'al-*a*	223
	*sal-*a*	321
	*k^hil^y-*a*	442
high, to be	*bir-V-g-	49
	*ʕal-	747
high, to make	*k'ul-	498
	*ʕam-	750
	*ʕam-V-d-	750
high place	*bir-g-*a*	49
high rank	*$t\!\!\downarrow^h$ir-*a*	606
higher in rank, to be	*ħar-	723
higher in status, to be	*ħar-	723
highest part	*war-*a*	816
highest person	*ner-*a*	928
highest point	*gub-*a*	390
	*k'ul-*a*	498
	*ʕal-*a*	747
	*ʕam-*a*	750
	*ʕam-d-*a*	750
	*mun-*a*	902
highest thing	*ner-*a*	928
highly esteemed	*mag-*a*	850

English Meaning	Proto-Nostratic	Number
hill	*t^hul-a	213
	*t'id-a	238
	*k^hil^y-a	442
	*mal-a	858
him	*si- (~ *se-)	326
hind part	*dub-a	170
	*k'^{w}ad-a	533
hinder, to	*t'ad-	218
hindquarters	*ʕar-a	755
hindrance	*t'ad-a	218
his	*-si (~ *-se)	326
hit	*t^hap^h-a	193
	*k'^{w}aħ-a	534
	*lax^w-a	959
hit, to	*t^hap^h-	193
	*t'aw-	233
	*d^{y}ab-	248
	*g^{w}an-	508
	*k'^{w}aħ-	534
	*q'^{w}al-	589
	*nik^h-	931
	*lax^w-	959
hitting, the act of	*lax^w-a	959
(hoar)frost	*t^how-a	211
hoarse, to be	*q^{h}ar^y-	573
hold	*bar-a	31
	*p^{h}id-a	117
	*k^{h}al-a	409
	*k^{h}am-a or *q^{h}am-a	413
	*k'ab-a	455
	*ʔam-a	629
	*ʕap'-a	754
hold, to	*p^{h}id-	117
	*k'aw-	485
	*man^y-	875
hold (closely or tightly), to	*ʔam-	629
hold back, to	*k^{h}al-	409
hold firmly, to	*d^{y}ar-	251
hole	*bit$\underset{\sim}{\text{l}}^h$-a	55
	*p^{h}ut^h-a	137
	*dur-a	181
	*t^{yh}al-m-a	258
	*k^{wh}ar-a	520

English Meaning	Proto-Nostratic	Number
	*ʔak^{h}-a	623
	*haŋ-a	695
	*ħal^{y}-a	712
hole, to make a	*dur-	181
hollow (= cave)	*k^{h}ay-w-a	440
	*k'um-a	503
	*k^{wh}ar-a	520
	*ħal^{y}-a	712
hollow out, to	*gal-	358
	*k^{wh}ar-	520
	*xat'-	775
hollowing out, the act of	*gal-a	358
home	*man-a	869
honey	*bay-a	41
	*k^{h}an^{y}-a ~ *k^{h}in^{y}-a ~ *k^{h}un^{y}-a	417
	*mad-w-a	849
	*mal-a	861
honor	*mag-a	850
hoof	*k^{h}ab-a	404
hook	*t^{h}ak^{h}-a	186
	*gam-a	365
	*k^{h}on-k'-a, *k^{h}ok'-a	447
	*t͡ɬ^{h}uŋ-k^{h}-a	607
hook together, to	*t^{h}ak^{h}-	186
hook up, to	*t͡ɬ^{h}uŋ-V-k^{h}-	607
hooked, that which is	*k'un-a	504
horn	*k^{h}ir-a	443
hot	*p^{h}ek^{wh}-a	115
	*t'ab-a	217
	*k^{h}um-a	452
hot (of taste)	*k^{h}ar-a	428
hot, to be	*s^{y}am-	277
	*k'^{w}am-	537
	*ʔak^{wh}-	626
	*ʔep^{h}-	663
	*ħas-	726
hot, to be or become	*s^{y}ax^{w}-	281
	*k^{h}ay-	439
	*k^{h}um-	452
	*g^{w}ir-	511
hot, to make	*s^{y}ax^{w}-	281
house	*p^{h}ar-a, (?) *p^{h}ur-a	104
	*q'^{w}ad-a	587

English Meaning	Proto-Nostratic	Number
	*ʔil-a	667
	*man-a	869
howl	*ɢar-a	559
	*ɢar-ɢar-a	559
	*waʕ-a	793
	*wal-a	799
howl, to	*ɢar-	559
	*ɢar-ɢar-	559
hubbub	*q'^{w}al-a	588
	*wal-a	799
hump	*bun-a	70
	*p'ul-a	140
	*t^{h}aw-a	202
	*k'ar-a	482
	*k'um-a	503
hunch	*ɢub-a	569
(hunger)	*bad-a	8
hunger	*wal-a	803
hunt wild animals, to	*guw-	400
	*guw-V-r-	400
hurl, to	*q'^{w}al-	590
	*ʕam-	751
hurling	*q'^{w}al-a	590
hurry	*p^{h}at^{h}-a	111
hurry, to	*gir^{y}- or *ɢir^{y}-	388
hurry, to be in a	*p^{h}ar-	102
	*p^{h}ir-	120
hurt, to	*q'^{w}al-	589
	*ʔak^{h}-	622
husband	*ʔar-a	642
husband's sister	*k'el-a	486
husk	*p^{h}at'-a	114
I	*ʔa- (~ *ʔə-), *ʔi- (~ *ʔe-)	613
	*wa- (~ *wə-)	791
	*mi (~ *me)	892
	*na (~ *nə)	911
ibex	*ʔar-a	644
ice	*gil-a	383
idea	*t'^{y}iŋ-a	274
	*saħ-a or *šaħ-a	318
	*ʕeŋ-a	759
ignite, to	*ʕal-	748
ignoble, to be	*ʔek'-	659

English Meaning	Proto-Nostratic	Number
ill, to be	*gal-	362
ill, to become	*daw-	158
ill, to fall	*mar^{y}-	885
illness	*gal-a	362
	*mar^{y}-a	885
illustrious	*mag-a	850
illustrious, to be	*t͡ɬ^{h}ir-	606
	*mag-	850
immature	*γil-a	783
immerse in water, to	*mus^{y}-	909
	*mus^{y}-V-k'-	909
immerse into, to	*t'al-	222
immersion	*t'al-a	222
	*mus^{y}-a	909
	*mus^{y}-k'-a	909
impediment	*t'ad-a	218
in addition to	*bi	46
	*da- (~ *də-)	143
in front of, to be	*mun-	902
in the middle of	*mat^{h}- or *met^{h}-	886
in-law, (elder) male	*t'ay-a	234
in-law, female	*k^{h}al-a	407
	*k'el-a	486
incise, to	*k'ir- or *k'ur-	491
	*wur^{y}-	842
incision	*t^{h}ar-a	196
	*k^{h}ar-a	422
	*t͡ɬ^{h}ar-t'-a	601
	*ħaʒ-a	735
	*xat'-a	775
incisions, to make	*t͡ɬ^{h}ar-V-t'-	601
increase	*bar-a	26
	*bul-γ-a	65
	*gar^{y}-a	373
	*ħaw-a	731
	*waš-a	821
	*mik'-a	896
	*riy-a	972
increase, to	*bun-V-g-	70
	*gar^{y}-	373
	*k^{h}aw-	436
	*ħaw-	731
	*war-	816

English Meaning	Proto-Nostratic	Number
	**waš-*	821
	**maħ-*	853
	**mal-*	859
	**man-*	871
	**man-V-g-*	872
	**mik'-*	896
	**riy-*	972
increase (in number), to	**maʔ-*	847
increased	**waš-a*	821
increment	**waš-a*	821
indefinite pronoun stem	**ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*)	844
inferior	**k^{h}at^{h}-a*	434
inflammation	**dar^{y}-a*	155
inflate, to	**bul-*	63
	**bun-*	70
	**p^{h}uš-*	129
	**p^{h}uw-*	138
	**k^{h}aw-*	436
inflation	**bul-a*	63
	**k^{h}aw-a*	436
initiate, to	**bad-*	10
initiation	**bad-a*	10
injure, to	**dar-*	153
	**d^{y}ab-*	248
	**g^{w}an-*	508
	**q^{h}al-*	571
	**t͡ɬ^{h}ar-*	599
injury	**dar-a*	153
	**t^{h}ar-a*	196
	**t'aw-a*	233
	**d^{y}ab-a*	248
	**gar-a*	370
	**g^{w}an-a*	508
	**q^{h}al-a*	571
	**t͡ɬ^{h}ar-a*	599
	**waŋ-a*	811
	**nik^{h}-a*	931
inquiry	**saħ-a* or **šaħ-a*	318
(insane, to be)	**dul-*	173
(insane, to drive someone)	**dul-*	173
insane, to become	**ʔeb-*	657

English Meaning	Proto-Nostratic	Number
(insanity)	*dul-a	173
insect	*k^{wh}ur-a	531
inside of anything	*wat'^{y}-a	824
inside, the	*k'^{w}ar-b-a	543
instigate, to	*bad-	10
instrument, sharp	*t^{yh}al-a	257
insufficiency	*k'al-a	463
	*nus^{y}-a	934
insufficient	*k'al-a	463
insuffient, to be	*ʔek'-	659
intention	*ʕeŋ-a	759
interior	*k'^{w}ar-b-a	543
interior of anything	*wat'^{y}-a	824
interrogative pronoun stem	*k^{wh}a- (~ *k^{wh}ə-)	528
	*ʔay-, *ʔya-	651
	*mi- (~ *me-)	891
interrogative/relative particle	*na- (~ *nə-)	914
intoxicated	*t^{h}ar-a	200
inundation	*wel^{y}-a	830
investigation	*saħ-a or *šaħ-a	318
	*k^{h}al-a	410
invitation	*q'^{w}at^{yh}-a	594
invocation	*k'ar-a	479
	*q'^{w}at^{yh}-a	594
inward part	*k'^{w}ar-b-a	543
irritate, to	*nad^{y}-	920
irritating	*nad^{y}-a	920
irritating, to be	*nad^{y}-	920
irritation	*nad^{y}-a	920
issue (= offspring)	*p^{h}ir-a	119
issue (from), to	*ʒar- or *ǯar-	296
it	*si- (~ *se-)	326
itch	*gar-b-a	372
its	*-si (~ *-se)	326
jab	*t$\underset{\smile}{ɬ}^{h}$ak^{wh}-a	597
jab, to	*ʒer- or *ǯer-	297
jar	*k^{h}ap^{h}-a	420
javelin	*ʒer-a or *ǯer-a	297
jaw	*gen-a	377
	*k'an-a	470
	*k'ap^{h}-a and/or *k'ep^{h}-a	476
	*ɢat'^{y}-a	565
	*q'ab-a	576

English Meaning	Proto-Nostratic	Number
jawbone	**k'ap^h-a* and/or **k'ep^h-a*	476
join, to	**gid-* or **ɢid-*	381
join (together), to	**rak^h-*	965
join together, to	**dab-*	145
	**dar-*	152
	**t^{h}ak^h-*	186
	**k'ač^h-*	457
	**k'at^h-*	483
	**ɢam-*	558
	**t͡ɬ'im-*	611
join two things together, to	**k^{h}ol^y-*	446
joined together	**dar-a*	152
	**t͡ɬ'im-a*	611
joined together, to be or become	**t'^{y}ar-*	268
joining	**dab-a*	145
joining (together), the act of	**rak^h-a*	965
joint	**k'aŋ-a*	474
	**k'en^y-a*	487
joke, to	**ʒak'-*	295
journey	**p^{h}ar-a*	105
	**ʔay-a*	652
	**naʕ-a*	916
journey, to	**naʕ-*	916
joy	**p^{h}ar-a*	98
	**mak'-a*	857
judge, to	**sad^y-*	316
judgment	**day-a*	160
	**sad^y-a*	316
judgment, sound	**ħak^h-a*	705
juice	**šaw-a*	344
jumping	**raq'-a*	968
jut out, to	**gar^y-*	374
	**mun-*	902
keen, to be	**ħak^h-*	705
keeper	**war-a*	813
kid	**ɢad-a*	356
kill, to	**g^{w}an-*	508
	**q'^{w}al-*	589
	**ħal-*	708
killing	**d^{y}ab-a*	248
	**q^{h}at^h-a*	574
	**q'^{w}al-a*	589
	**ħal-a*	708

English Meaning	Proto-Nostratic	Number
kind (= benevolent)	**bar-a*	34
kind, to be	**bar-*	34
kindle, to	**bud-*	57
	**ʕal-*	748
kindness	**bar-a*	34
kinsman	**ʔar-a*	643
kite	**ħur-a* (and/or **ħer-a* ?)	742
knead (clay), to	**diq^{h}-*	167
knee	**b[e]r-a*	44
knife	**sak^{h}-a*	319
	**č'ir-a*	341
	**šar-a*	343
	**k^{wh}ar-a*	519
	**k'^{w}at'-a*	548
	**t͡ɬ^{h}ar-a*	600
	**waħ-a*	795
	**waŋ-a*	811
	**miʔ-a*	893
knob	**k'aŋ-a*	474
	**k'um-a*	503
knock	**t'uk'-a*	244
	**k'an-a*	472
	**k'ud-a*	495
	**k'^{w}ad-a*	532
knock, to	**t^{h}ap^{h}-*	193
	**t'uk'-*	244
	**t^{yh}um-*	263
knot	**k^{h}at^{h}-a*	432
	**k'ač^{h}-a*	457
	**k'aŋ-a*	474
	**k'en^{y}-a*	487
know, to	**ʔil-*	669
	**ʕey-*	760
knowledge	**baw-a*	39
known	**ʕey-a*	760
known, to make	**c'ar-* or **č'ar-*	310
	**k^{h}al-*	410
	**war-* and/or **wir-*	818
labor	**daw-a*	157
	**k^{h}am-a*	414
labor, to	**k^{h}am-*	414
	**k'ac^{h}-*	456
lack	**bad-a*	8

English Meaning	Proto-Nostratic	Number
	**gaʔ-a*	350
	**k'al-a*	463
	**ʔek'-a*	659
	**ħiw-a*, **ħiy-a*	737
lack, to	**ħiw-*, **ħiy-*	737
lacking	**gaʔ-a*	350
	**k'al-a*	463
lacking, to be	**ʔek'-*	659
ladle	**k^{h}ay-a*	440
lake	**mor-a*	900
lament, to	**k'um-*	500
lamentation	**k'ar-a*	479
	**k'um-a*	500
	**wal-a*	799
land (= countryside)	**q'an-a*	580
land (= earth; ground)	**ʔul-a*	682
	**mag-a*	851
land, any piece of	**lam-a*	952
	**lam-d-a*	952
language	**t'il-a*	240
	**k^{h}il-a*	441
lap (up), to	**lab-*	943
	**las^{y}-*, **lis^{y}-*, **lus^{y}-*	953
lap up, to	**lak^{h}-*	948
lard	**s^{y}il-a*	283
large	**bir-a*	49
	**ħal^{y}-a*	711
	**maʔ-a*	847
	**mik'-a*	896
large amount	**k^{h}um-a*	450
	**man-g-a*	872
large fish	**k^{wh}al-a*	518
large quantity	**g^{w}an-a*	509
	**maʔ-a*	847
large quantity or amount	**bul-a*	63
largeness	**bir-a*	49
lax	**dow-a*, **doy-a*	169
laxity	**dow-a*, **doy-a*	169
lay, to	**k^{h}ay-*	438
lay down, to	**lag-*	944
lay waste, to	**ħal-*	708
	**ħul-*	741
laying down, the act of	**lag-a*	944

English Meaning	Proto-Nostratic	Number
lead, to	*wad-	794
leader	*pʰar-a	101
	*day-a	161
	*ħak'-a	707
leading, the act of	*wad-a	794
leaf	*t'orʸ-a	241
leak	*dun-a	179
leak, to	*dun-	179
	*k'ʷalʸ-	536
leak out, to	*ʒar- or *ǯar-	296
lean (= emaciated)	*c'aw-a	311
	*c'aw-lʸ-a	311
lean, to be or become	*c'aw-	311
	*c'aw-V-lʸ-	311
lean down (= bend down), to	*c'ar-	309
lean, that which is	*c'aw-a	311
	*c'aw-lʸ-a	311
learning	*kʰal-a	410
leather	*k'ʷoy-a	552
leave, to	*t'aw-	232
	*čʰal-	335
	*gaʔ-	350
	*γor-	784
	*γor-V-b-	784
leave behind, to	*čʰal-	335
	*gaʔ-	350
leaving	*bar-a	37
	*γor-a	784
	*γor-b-a	784
left behind	*gaʔ-a	350
leg	*lakʰ-a	949
leisure	*čʰal-a	335
leasure, at	*čʰal-a	335
length	*tʰanʸ-a	191
	*t'al-a	223
	*ʔut'-a	686
	*war-a	815
lengthen, to	*ʔut'-	686
	*mad-	848
	*mat'-	887
lessen, to	*tʰaħ-	185
	*kʷʰar-	521
let go, to	*t'aw-	232

English Meaning	Proto-Nostratic	Number
	**čʰal-*	335
level	**pʰal-a*	89
level, that which is	**pʰal-a*	89
liberated	**her-a* and/or **hor-a*	701
lick, to	**t'al-*	221
	**lakʰ-*	948
	**lak'-*, **lik'-*, **luk'-*	951
	**lasʸ-*, **lisʸ-*, **lusʸ-*	953
licking	**t'al-a*	221
	**lakʰ-a*	948
	**lak'-a*, **lik'-a*, **luk'-a*	951
lie (= recline), to	**kʰay-*	438
lie down, to	**bad-*	9
	**nakʷʰ-*	924
	**lam-*	952
	**lam-V-d-*	952
life	**ħay-a*	733
	**ħay-w-a*	733
	**ʕan-a*	752
	**napʰ-a*, **nipʰ-a*, **nupʰ-a*	925
lift, to	**tʰul-*	213
	**k'ul-*	498
	**ʕam-*	750
	**ʕam-V-d-*	750
	**xaŋ-*	773
lift (up), to	**nit̪ɬʰ-*	932
lift up, to	**sal-*	321
	**kʰilʸ-*	442
	**hal-*	690
	**ʕar-V-g-*	756
lifting, the act of	**nit̪ɬʰ-a*	932
light (= luminosity)	**bah-a*	13
	**bar-a*	33
	**bud-a*	57
	**t'ay-a* or **t'iy-a*	235
	**ʔel-a*	660
	**walʸ-a*	805
	**wilʸ-a*	833
	**law-a*	956
lightning	**bar-a*	33
like (= as)	**wa-* (~ **wə-*)	792
like, to	**mal-*	860
like, to be (= to resemble)	**sam-*	322

English Meaning	Proto-Nostratic	Number
likeness	**sam-a*	322
limit	**mad-a*	848
	**mat'-a*	887
lip	**las^{y}-a*, **lis^{y}-a*, **lus^{y}-a*	953
liquid	**šuw-a*	349
	**šuw-l-a*	349
	**maw-a*	889
list (= enumerate), to	**t'il-*	239
listen, to	**sad^{y}-*	316
	**k^{h}ul-*	448
little	**k'al-a*	463
littleness	**k'al-a*	463
live, to	**ʔil-*	667
	**ħay-*	733
	**ħay-V-w-*	733
	**ʕan-*	752
living	**ʔil-a*	667
load	**t'an-a*	226
	**ʔan-a*	632
	**wig-a*	832
load tightly together, to	**t'an-*	226
load up and go, to	**ʔan-*	632
location	**ʔin-a* (~ **ʔen-a*)	670
lofty	**bir-g-a*	49
loneliness	**k^{h}ay-a*	437
	**k^{h}ay-w-a*	437
	**xol-a*	776
lonely	**xol-a*	776
long	**t'al-a*	223
	**ʔut'-a*	686
long for, to	**haw-*	697
long-lasting	**t^{h}an^{y}-a*	191
long-lasting, to be	**t^{h}an^{y}-*	191
look, to	**war-*	813
look at, to	**day-*	160
	**gal-*	360
loop	**c'ur-a*	314
	**sak'^{w}-a*	320
lord	**p^{h}ar-a*	101
	**ʔad-a*	617
lose one's mind, to	**ʔeb-*	657
lose one's way, to	**ʔeb-*	657
loss	**gaʔ-a*	350

English Meaning	Proto-Nostratic	Number
	**gup^{h}-a*	395
	**ʔek'-a*	659
loud clatter	**ɢad-a*	554
	**ɢad-ɢad-a*	554
loud noise	**ɢad-a*	554
	**ɢad-ɢad-a*	554
	**x^{w}ir-a*	781
loud noise, to make a	**ɢad-*	554
	**ɢad-ɢad-*	554
	**x^{w}ir-*	781
loud rumble	**ɢad-a*	554
	**ɢad-ɢad-a*	554
loud sound, to make a	**ɢad-*	554
	**ɢad-ɢad-*	554
love	**p^{h}ar-a*	98
low	**p^{h}ul-a*	125
	**lam-a*	952
	**lam-d-a*	952
low, to be	**lam-*	952
	**lam-V-d-*	952
lower	**k^{h}at^{h}-a*	434
	**ħal-a*	710
lower part	**k^{h}at^{h}-a*	434
	**ħal-a*	710
lower place	**k^{h}at^{h}-a*	434
lower thing	**k^{h}at^{h}-a*	434
lower, to	**ħal-*	710
lowest part of anything	**ʔul-a*	682
lowest part or region (of anything)	**bud-a*	58
lowland	**lam-a*	952
	**lam-d-a*	952
lowly, to be	**ʔek'-*	659
low-lying ground	**lam-a*	952
	**lam-d-a*	952
lump	**bun-a*	70
	**p'ul-a*	140
	**t^{h}aw-a*	202
	**k'ar-a*	482
	**k'um-a*	501
	**k'um-a*	503
lust	**man^{y}-a*	873
lust after, to	**man^{y}-*	873
luster	**ʔel-a*	660

English Meaning	Proto-Nostratic	Number
	**walʸ-a*	805
lying down	**bad-a*	9
maceration	**tʰaħ-a*	185
mad	**ʔeb-a*	657
(mad, to be)	**dul-*	173
(mad, to drive someone)	**dul-*	173
mad, to go	**ʔeb-*	657
made in a skillful manner, that which is	**t'am-a*	225
(madness)	**dul-a*	173
madness	**ʔeb-a*	657
maggot	**kʷʰur-a*	531
magnificence	**mag-a*	850
make, to	**daw-*	157
	**tʰikʰ-*	206
	**kʰam-*	414
	**kʷʰey-*	527
make an effort, to	**woy-*	838
make clear, to	**c'ar-* or **č'ar-*	310
	**kʰal-*	410
make fast, to	**dab-*	145
make fun of, to	**ʒak'-*	295
make known, to	**c'ar-* or **č'ar-*	310
	**kʰal-*	410
	**war-* and/or **wir-*	818
make (something) in a skillful manner, to	**t'am-*	225
make something, tool used to	**tʰikʰ-a*	206
making (something) in a skillful manner, the act of	**t'am-a*	225
make sport, to	**ʒak'-*	295
making something, the act of	**tʰikʰ-a*	206
malady	**marʸ-a*	885
	**muŋ-a*	904
	**nusʸ-a*	936
male	**kʰum-a*	451
	**ʔar-a*	642
	**war-a*	812
	**manʸ-a*	874
male (human or animal)	**g[e]n-d-a*	378
	**xam-a*	771
	**xam-d-a*	771
	**mar-a*	878

English Meaning	Proto-Nostratic	Number
male animal	**war-a*	812
male genitals	**pʰasʸ-a*	110
male in-law, (elder)	**t'ay-a*	234
male relative	**ʔay(y)a*	655
male relative, (elder)	**t'ay-a*	234
male relative, older	**ʔakʰkʰa*	625
	**ʔatʰtʰa*	647
male relative, (older)	**ʔaŋ(ŋ)a*	639
male of certain animals	**daqʰ-a*	151
male of small, hoofed animals	**buk'-a* (~ **bok'-a*)	62
male sheep	**kʰab-a*	403
malevolent	**dar-a*	153
malicious	**nadʸ-a*	920
malicious, to be	**nadʸ-*	920
mallet	**k'an-a*	472
man	**kʰum-a*	451
	**ʔar-a*	642
	**war-a*	812
	**manʸ-a*	874
man, (young)	**mar-a*	878
man, old	**p'ap'-a*	139
manifest	**wilʸ-a*	833
manifest, to	**wilʸ-*	833
manifestation	**wilʸ-a*	833
manly, to be	**xam-*	771
	**xam-V-d-*	771
manner	**ħar-a*	721
manslaughter	**q'ʷal-a*	589
many	**baǯ-a*	42
	**pʰal-a*	91
	**ʔapʰ-a*	640
	**maʔ-a*	847
	**mak'-a*	856
	**mal-a*	859
	**man-g-a*	872
many, to be	**baǯ-*	42
	**maʔ-*	847
marsh	**mar-a*	883
mark off, to	**miħ-*	895
mash, to	**nadʸ-*	919
mashed, anything	**nadʸ-a*	919
mass	**k'um-a*	501
massacre	**wel-a*	828

English Meaning	Proto-Nostratic	Number
massive	*t^hik'-*a*	207
massiveness	*t^hik'-*a*	207
master	*p^har-*a*	101
	*ʔad-*a*	617
	*ħar-*a*	723
mastery	*ħin-k^h-*a*	736
mat	*k^hat^h-*a*	432
	*net'^y-*a*	929
mature	*p^har^y-*a*	107
	*ʕat^h-*a*	757
mature, to	*bul-V-γ-	65
	*p^har^y-	107
	*$n^yaʕ$-V-r-	937
maturity	*bul-γ-*a*	65
	*p^har^y-*a*	107
	*ʕat^h-*a*	757
me	*ʔa- (~ *ʔə-), *ʔi- (~ *ʔe-)	613
	*wa- (~ *wə-)	791
	*mi (~ *me)	892
	*na (~ *nə)	911
mead	*mad-w-*a*	849
meadow	*wel^y-*a*	829
meager	*$k'al$-*a*	463
meal (= food; repast)	*$ʔak^h$-*a*	621
	*ʕun^y-*a*	765
mean (= nasty)	*p^hul-*a*	125
	*nad^y-*a*	920
mean (= nasty), to be	*nad^y-	920
measure	*mad-*a*	848
	*mat'-*a*	887
	*miħ-*a*	895
measure, to	*miħ-	895
measure out, to	*mad-	848
	*mat'-	887
measurement	*xal-*a*	770
	*mad-*a*	848
	*mat'-*a*	887
	*miħ-*a*	895
melt, to	*ɢar-	560
melted	*ɢar-*a*	560
memory	*gun-*a*	394
mentally sharp, to be	*ħak^h-	705
metal	*hay-*a*	700

English Meaning	Proto-Nostratic	Number
method	*ħar-a	721
midday heat	*hag-a	687
middle	*k'^{w}ar-b-a	543
	*mat^{h}-a or *met^{h}-a	886
might	*gad-a	354
	*wak'-a	796
	*mag-a	850
mighty	*gad-a	354
	*ʔab-a	615
	*ʔad-a	617
mighty, to be	*ʔad-	617
	*mak'-	856
mighty, to be or become	*gad-	354
milk	*mam(m)a, *mema	845
	*mal-a	862
mincing, the act of	*k'ep'-a	488
mind	*san-a or *šan-a, *sin-a or *šin-a, *sun-a or *šun-a	323
	*gun-a	394
minute (= small)	*nus^{y}-a	934
minute (= small), to be	*nus^{y}-	934
misery	*muŋ-a	904
misfortune, exclamation of	*hay	699
mist	*p'ul^{y}-a	141
	*ħag-a	704
mistaken, to be	*mal-	866
misty	*ħag-a	704
mix, to	*bul-	67
	*k'al-	465
mix together, to	*k'at^{h}-	483
mix up, to	*bul-	67
mixed colors, that which is	*bul-a	68
mixture	*bul-a	67
	*k'at^{h}-a	483
moan	*k'um-a	500
	*k'^{w}as-a	546
moan, to	*k'um-	500
	*k'^{w}as-	546
mock, to	*ʒak'-	295
mockery	*ʒak'-a	295
moist	*šuw-a	349
	*šuw-l-a	349

English Meaning	Proto-Nostratic	Number
	**mat'-a*	888
	**nat'-a*	927
moist, to be	**mat'-*	888
moisten, to	**t'al^{y}-*	224
	**wal-*	801
	**wet'-*	831
	**nat'-*	927
	**laħ-*	946
	**law-*	958
	**rek'-*	971
moistness	**nat'-a*	927
	**laħ-a*	946
moisture	**šuw-a*	349
	**šuw-l-a*	349
	**wal-a*	801
	**mat'-a*	888
mold	**lip'-a*	961
mold, to	**lip'-*	961
mold (clay), to	**diq^{h}-*	167
moment	**ʔam-a*	630
mommy	**ma(a)*	845
more	**ʔap^{h}-a*	640
more, that which is	**ʔap^{h}-a*	640
more, to be	**ʔap^{h}-*	640
moreover	**ʔap^{h}-*	640
morning	**dil^{y}-a*	165
morsel	**bal-a*	20
	**ʔak^{h}-a*	621
	**mol-a*	899
morsel bitten	**t͡ɬ'ar-s-a*	609
mortar	**ħur-a*	743
	**mol-a*	899
mosquito	**k'uɢ-n-a* (~ **k'oɢ-n-a*)	497
most prominent (person or thing)	**xaŋ-t^{h}-a*	774
most prominent, that which is	**xaŋ-a*	773
most prominent part	**mun-a*	902
most prominent person	**ner-a*	928
most prominent thing	**ner-a*	928
mother	**da*	144
	**da-da-*	144
	**ʔam(m)a*	631
	**ʔan^{y}a*	636
	**ʔay(y)a*	654

English Meaning	Proto-Nostratic	Number
	*ʔema	661
	*ʔen^{y}a	662
	*ma(a)	845
	*mam(m)a, *mema	845
motion	*q^{h}ad-a	570
motion, any rapid	*ʔor-a	676
	*raq'-a	968
motion, to be in	*q^{h}ad-	570
motion, to put into	*q^{h}ad-	570
mound	*t^{h}ul-a	213
mount, to	*ʔor^{y}-V-g-	678
	*ʕar-V-g-	756
mountain	*t'id-a	238
	*ʕal-a	747
	*mal-a	858
mountain-goat	*ʔar-a	644
mounting	*ʔor^{y}-g-a	678
	*ʕar-g-a	756
mourning	*k'um-a	500
mouth	*ham-a	694
	*haŋ-a	695
mouth, to take into the	*ham-	694
move, to	*gir^{y}- or *ɢir^{y}-	388
	*k'al-	465
	*q^{h}ad-	570
	*ʕat^{h}-	757
	*rag-	963
move about, to	*k^{wh}al-	513
move away from, to	*ʔot'-	679
move back and forth, to	*raq'-	968
move hastily, to	*ʔor-	676
move out of the way, to	*ʔot'-	679
move quickly, to	*p^{h}at'-	113
	*ʔek^{h}-	658
	*ʔor-	676
	*ħap^{h}-	720
	*raq'-	968
move rapidly, to	*p^{h}at^{h}-	111
	*k^{wh}at^{h}-	524
	*ʔor-	676
move swiftly, to	*p^{h}ar-	102
	*p^{h}ir-	120
	*gir^{y}- or *ɢir^{y}-	388

English Meaning	Proto-Nostratic	Number
move to or toward, to	*ʔot'-	679
movement	*gir^{y}-a or *ɢir^{y}-a	388
	*q^{h}ad-a	570
	*rag-a	963
movement, rapid	*k^{wh}at^{h}-a	524
	*ʔek^{h}-a	658
movement, violent	*ʔek^{h}-a	658
movement away from	*ʔot'-a	679
movement to or toward	*ʔot'-a	679
much	*baʒ-a	42
	*p^{h}al-a	91
	*k'an-a	471
	*mak'-a	856
	*mik'-a	896
much, to be	*baʒ-	42
mucous, dried	*p^{h}ak^{h}-a	85
mud	*diq^{h}-a	167
mulberry	*mur-a	907
multitude	*k^{h}um-a	450
	*ɢam-a	558
	*man-a	871
	*man-g-a	872
mumble	*k'^{w}as-a	546
mumble, to	*k'^{w}as-	546
munch, to	*k'ep'-	488
murder	*q'^{w}al-a	589
	*wed-a	827
	*nik^{h}-a	931
murmur	*k'^{w}as-a	546
	*ɢar-a	559
	*ɢar-ɢar-a	559
	*mur-a	908
	*mur-mur-a	908
murmur, to	*k'^{w}as-	546
	*mur-	908
	*mur-mur-	908
musical instrument	*bir-a	50
mutilated	*mur-a	905
mutter, to	*ɢar-	559
	*ɢar-ɢar-	559
my	*ʔiya	674
name	*ʒaħ-a	331
nape of the neck	*k'ap^{h}-a	477

English Meaning	Proto-Nostratic	Number
narrow	**ħan-g-a*	717
narrow, to make	**ħan-V-g-*	717
near	**gid-a* or **ɢid-a*	381
near to, to draw	**ʔan^{y}-*	634
nearness	**ʔan^{y}-a*	634
neck	**q^{h}ar^{y}-a*	573
	**q'el-a*	583
	**q'^{w}ur-a*	595
	**x^{w}el^{y}-a*	780
	**mak^{h}-a*	854
need	**bad-a*	8
	**gaʔ-a*	350
	**ʔek'-a*	659
	**ħiw-a*, **ħiy-a*	737
needs fulfilled, to have all	**t^{h}ir-*	208
	**t^{h}ir-V-p^{h}-*	209
need, to stand in	**ħiw-*, **ħiy-*	737
needy	**k'al-a*	463
negative/prohibitive particle	**ʔe*	656
	**ma(ʔ)-* (~ **mə(ʔ)-*)	846
	**na* (~ **nə*), **ni* (~ **ne*), **nu* (~ **no*)	915
nerve	**s^{y}ir-a*	285
net	**k^{h}at^{h}-a*	432
	**net'^{y}-a*	929
news	**war-a* and/or **wir-a*	818
next	**mal-a*	864
nick (= incision; notch)	**ħaʒ-a*	735
night	**rum-a*	975
nighttime	**nak^{wh}-a*	924
nip, to	**t'^{y}ip^{h}-*	275
nip off, to	**k'ir-* or **k'ur-*	491
nipple	**diy-a*	168
	**ʒuʒ-a*	302
	**ʕim-a*	762
no	**ʔe*	656
	**ma(ʔ)-* (~ **mə(ʔ)-*)	846
	**na* (~ **nə*), **ni* (~ **ne*), **nu* (~ **no*)	915
nobility	**mag-a*	850
noble	**ħar-a*	723
nobleman	**ħar-a*	723
noise	**baħ-a*	14

English Meaning	Proto-Nostratic	Number
	**bar-a*	36
	**bug-r-a*	61
	**daw-a*	156
	**gal-a*	361
	**kʰal-a*	408
	**kʰaŋ-a*	418
	**kʰil-a*	441
	**q'ʷal-a*	588
	**waʕ-a*	793
	**wal-a*	799
	**mur-a*	908
	**mur-mur-a*	908
noise, (rustling or rumbling)	**t'ʸar-a*	272
noise, loud	**ɢad-a*	554
	**ɢad-ɢad-a*	554
	**xʷir-a*	781
noise, to make	**baħ-*	14
	**bug-V-r-*	61
	**daw-*	156
	**t'ʸar-*	272
noise, to make a	**kʰal-*	408
	**kʰaŋ-*	418
	**kʰil-*	441
	**mur-*	908
	**mur-mur-*	908
noise, to make a loud	**ɢad-*	554
	**ɢad-ɢad-*	554
	**xʷir-*	781
noise, to utter a	**bar-*	36
noisy, to be	**gal-*	361
nose	**san-a* or **šan-a*, **sin-a* or **šin-a*, **sun-a* or **šun-a*	323
not	**ʔe*	656
	**ma(ʔ)-* (~ **mə(ʔ)-*)	846
	**na* (~ **nə*), **ni* (~ **ne*), **nu* (~ **no*)	915
notch	**dal-a*	148
	**k'ir-a* or **k'ur-a*	491
	**ħaʒ-a*	735
notch, to	**dal-*	148
	**k'ir-* or **k'ur-*	491
	**ħaʒ-*	735

English Meaning	Proto-Nostratic	Number
nothing	*ʔal-a	628
notice	*gun-a	394
	*guw-a	399
notice, to	*baw-	39
	*gun-	394
	*guw-	399
	*ʕen-	758
noticeable, that which is	*xaŋ-a	773
notion	*ʕeŋ-a	759
nourish, to	*$p^{h}in^{y}$-	118
	*k'al-	461
nourishing	*$p^{h}in^{y}$-a	118
nourishment	*p^{h}aħ-a	84
	*$p^{h}in^{y}$-a	118
	*k'al-a	461
	*$t\underset{\smile}{ɬ}$'ar-s-a	609
	*ʔit'-a	672
now	*ʔam-a	630
	*nu	933
number	*xal-a	770
numerous	*ʔap^{h}-a	640
	*mal-a	859
	*man-g-a	872
numerous, to be	*baǯ-	42
nurse, to	*k'^{w}an-	538
	*mam-, *mem-	845
	*mal-	862
nurse (a child), to	*man-	867
nurture, to	*$p^{h}in^{y}$-	118
nutriment	*k'al-a	461
obscure	*bal-a	18
obscure, to	*dum-	177
	*ħag-	704
obscure, to be or become	*bal-	18
obscurity	*bal-a	18
	*k'ar-a	480
observation	*guw-a	399
	*k'an^{y}-a	475
	*raʔ-a	962
	*raʔ-y-a	962
	*rak'-a	967
observe, to	*baw-	39
	*guw-	399

English Meaning	Proto-Nostratic	Number
	*k'an^{y}-	475
	*war-	813
	*rak'-	967
observes, that which	*k'an^{y}-a	475
observing, the act of	*k'an^{y}-a	475
obstacle	*t'ad-a	218
obstruct, to	*t'ad-	218
obstruction	*t'ad-a	218
obtain, to	*sag- or *šag-	317
obtained	*ʔam-a	629
obvious, to be or become	*gal-	360
occur, to	*bad-	7
odor	*ʕut'-a	767
odor, to give off a strong	*d^{y}ip^{h}-	255
offer, to	*ħin-V-k^{h}-	736
offering	*ħin-k^{h}-a	736
offspring	*p^{h}as^{y}-a	110
	*p^{h}ir-a	119
	*k'an-a	469
	*ʔum-a	684
	*n^{y}ap^{h}-a	940
(oil)	*p^{h}ul^{y}-a	127
oil	*mar-a	881
ointment	*mar-a	881
old	*bul-a	69
	*t^{h}an^{y}-a	192
	*s^{y}en^{y}-a	282
	*ǯaw-a	333
	*gir^{y}-a	387
	*k'er-a	489
	*ʕat^{h}-a	757
	*wat^{h}-a	822
old, to be or become	*gir^{y}-	387
old, to become	*bul-	69
	*k'er-	489
old, to grow	*p^{h}ar^{y}-	107
	*t^{h}an^{y}-	192
	*s^{y}en^{y}-	282
	*t$\underset{\smile}{ɬ}^{h}$ay-	602
	*wat^{h}-	822
old age	*t^{h}an^{y}-a	192
	*s^{y}en^{y}-a	282
	*gir^{y}-a	387

English Meaning	Proto-Nostratic	Number
	*k'er-a	489
	*t͡ɬʰay-a	602
	*ʕatʰ-a	757
old man	*p'ap'-a	139
old person	*sʸenʸ-a	282
	*girʸ-a	387
	*k'er-a	489
old woman	*p'ap'-a	139
(older) female relative	*ʔaŋ(ŋ)a	638
(older) male relative	*ʔaŋ(ŋ)a	639
older female relative	*ʔakʰkʰa	624
	*ʔema	661
older male relative	*ʔakʰkʰa	625
	*ʔatʰtʰa	647
older relative (male or female)	*ʔat'ʸa	648
on	*ʔanʸ-	635
	*ʕal-	747
on fire, to be	*hag-	687
on top of	*ʕal-	747
	*xaŋ-	773
one	*ʔoy-a	681
one [indefinite pronoun stem]	*ma- (~ *mə-), *mi- (~ *me-), *mu- (~ *mo-)	844
one who makes or constructs something in a skillful manner	*t'am-a	225
ooze, to	*k'ʷalʸ-	536
open	*pʰal-a	89
	*pʰatʰ-a	112
open, that which is	*pʰal-a	89
open, to	*ban-	23
	*pʰatʰ-	112
	*haŋ-	695
open, to be	*pʰatʰ-	112
	*welʸ-	829
open, to burst	*pʰatʰ-	112
open land	*bar-a	38
	*welʸ-a	829
open space	*pʰal-a	89
	*pʰatʰ-a	112
	*welʸ-a	829
open surface	*pʰal-a	89
open the mouth, to	*haŋ-	695

English Meaning	Proto-Nostratic	Number
opening	**bad-a*	5
	**ban-a*	23
	**pʰačʰ-a*	82
	**pʰatʰ-a*	112
	**pʰutʰ-a*	137
	**dur-a*	181
	**tʸʰal-m-a*	258
	**haŋ-a*	695
oppose, to	**ʔetʰ-*	665
	**mar-*	877
opposite side	**tʸʰin-a*	260
opposite, that which is	**ʔetʰ-a*	665
oppress, to	**bad-*	7
	**dalʸ-*	150
	**hak'-*	689
oppressed	**dalʸ-a*	150
oppressed, to be	**ħag-*	703
opression	**bad-a*	7
	**hak'-a*	689
	**ħag-a*	703
or	**ʔaw-*, **ʔwa-* (~ **ʔwə-*)	649
	**ħarʸ-*	725
order	**woy-kʰ-a*	839
order, to arrange in	**woy-V-kʰ-*	839
order, to put in	**woy-V-kʰ-*	839
ordinary, to be	**ʔek'-*	659
ore	**hay-a*	700
origin	**pʰitʼʸ-a*	123
originate, to	**bad-*	10
origination	**bad-a*	10
other	**tʸʰin-a*	260
	**hal-a*	691
	**mal-a*	864
other [indefinite pronoun stem]	**ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*)	844
other side	**tʸʰin-a*	260
	**hal-a*	691
otherwise	**hal-*	691
outcry	**qʼʷal-a*	588
outdoor area	**ʔut'-a*	686
outer covering	**kʼʷoy-a*	552
outgrowth	**darʸ-a*	155

English Meaning	Proto-Nostratic	Number
	*ʕag-a	745
outpour	*baʕ-a	1
	*bal-a	19
outside of, to go	*gus-	398
outside, to make to go	*gus-	398
outsider	*gus-a	398
outstrip, to	*pʰar-	101
oven	*ʔepʰ-a	663
over (= above)	*ʔanʸ-	635
	*ʕal-	747
	*xaŋ-	773
over (= above), that which is	*ʔapʰ-a	640
over (= above), to be	*ʔapʰ-	640
	*ħar-	723
overflow	*ʔib-a	666
overflow, to	*bal-	19
	*bul-	63
	*bun-	71
	*kʼʷalʸ-	536
	*ʔib-	666
	*ħaw-	730
overshadow, to	*tʼʸal- and/or *tʼʸil-	266
	*ħag-	704
overtake, to	*pʰar-	101
overturn, to	*maqʷʰ-	876
	*mar-	879
overturned	*hapʰ-a	696
overturning	*hapʰ-a	696
	*maqʷʰ-a	876
ox	*kʼʷow-a	551
pacify, to	*tʼum-	246
pack	*bag-a	12
pack tightly together, to	*tʼan-	226
pack together, to	*hakʼ-	689
packed tightly together	*tʼan-a	226
pain	*pʰalʸ-a	95
	*tʰalʸ-a	189
	*gal-a	362
	*kʼacʰ-a	456
	*hakʼ-a	689
	*wal-a	803
	*mir-a	898
	*muŋ-a	904

English Meaning	Proto-Nostratic	Number
	*nik^h-*a*	931
	*nus^y-*a*	936
pain, to be in	**gal-*	362
	**muŋ-*	904
	*nus^y-	936
pain, to cause	**mir-*	898
	**muŋ-*	904
painful, to be	*p^hal^y-	95
pair	*k^hol^y-*a*	446
	**yor-a*	790
pair, to	*k^hol^y-	446
palm (= flat of the hand)	*p^hal-*a*	90
palpitate, to	*p^hat^h-	111
pan	**gub-a*	391
pant, to	**šaw-*	345
parched	*$t\!\!\!\smile^h$er-*a*	603
part	*p^har-*a*	99
	*p^has^y-*a*	109
	*dun^y-*a*	180
	*c^hal-*a*	306
	**šiħ-a*	347
	**ʔar-a*	641
part, to	**law-*	957
part asunder, to	**ʔar-*	641
part cut off	**law-a*	957
parted	**ʔar-a*	641
partridge (onomatopoeic bird name)	**k'ak'-a*	460
pass, to	*p^har-	105
pass (of time), to	*wat^h-	822
pass across, to	*p^har-	105
pass over, to	*p^har-	105
passage	*p^har-*a*	105
	*q^had-*a*	570
	**mar-a*	880
passion	*man^y-*a*	873
path	*q^had-*a*	570
	**ʔiy-a*	673
paw	*man^y-*a*	875
pay attention, to	**guw-*	399
	**ʕen-*	758
pay-back	*k^hap'-*a*	421
pay back, to	*k^hap'-	421
payment	*$k^{wh}ar$-*a*	523

English Meaning	Proto-Nostratic	Number
	*$k^{wh}ey$-*a*	526
peace	*$t'um$-*a*	246
	*$ʔan^{y}$-*a*	633
peace, to be at	*$ʔan^{y}$-	633
peaceful	*$t'um$-*a*	246
	*$ʔan^{y}$-*a*	633
peak (= pinnacle)	*gab-*a*	352
	*gar^{y}-*a*	374
	*$k^{h}ir$-*a*	443
	*$q'^{w}ar$-*a*	591
	*ʕal-*a*	747
peep, to	*$c'ir^{y}$-	313
peer at, to	*gal-	360
peg	*$t^{h}ak^{h}$-*a*	186
	*$t'ul^{y}$-*a*	245
	*$t\widetilde{ɬ}^{h}uŋ$-k^{h}-*a*	607
pelt (= animal skin)	*nak^{h}-*a*	923
penis	*bir^{y}-*a*	53
	*bul-*a* (~ *bol-*a*)	64
	*$p^{h}as^{y}$-*a*	110
	*$k^{h}um$-*a*	451
	*man^{y}-*a*	874
perceive, to	*san- or *šan-,	
	*sin- or *šin-,	
	*sun- or *šun-	323
	*gun-	394
	*$k'an^{y}$-	475
	*raʔ-	962
	*raʔ-V-y-	962
perceived, that which is	*san-*a* or *šan-*a*,	
	*sin-*a* or *šin-*a*,	
	*sun-*a* or *šun-*a*	323
perceives, that which	*san-*a* or *šan-*a*,	
	*sin-*a* or *šin-*a*,	
	*sun-*a* or *šun-*a*	323
	*$k'an^{y}$-*a*	475
perceiving	*raʔ-*a*	962
	*raʔ-y-*a*	962
perceiving, the act of	*$k'an^{y}$-*a*	475
perception	*san-*a* or *šan-*a*,	
	*sin-*a* or *šin-*a*,	
	*sun-*a* or *šun-*a*	323
	*gun-*a*	394

English Meaning	Proto-Nostratic	Number
	*k'an^{y}-a	475
	*ra$\textipa{P}$-a	962
	*ra$\textipa{P}$-y-a	962
period (of time)	*wan-a	808
perish, to	*bad-	9
	*gup^{h}-	395
	*mar^{y}-	885
perish, to cause to	*ħul-	741
perplex, to	*dul-	173
perplexed, to be	*diɢ-	164
	*dul-	173
	*mak^{h}-	855
	*mal-	866
perplexity	*diɢ-a	164
	*dul-a	173
	*mal-a	866
perturbation	*k'al-a	465
	*ɢal-a	557
pestle	*ħur-a	743
pestle, grinding	*k'^{w}ar-a	542
(pick)axe	*gad-a	355
	*gar-a	370
pick, to	*k'er-	490
	*ħac'-	702
pick up, to	*k'ul-	498
picked	*ħac'-a	702
	*lak'-a	950
picking, the act of	*ħac'-a	702
piece	*c^{h}al-a	306
	*gad-a	355
	*k^{h}as-a	431
	*mol-a	899
piece broken off	*bit$\textipa{\t{l}}^{h}$-a	55
piece cut off	*dum-a	175
	*dun^{y}-a	180
	*k'ir-a or *k'ur-a	491
	*k^{wh}ar-a	519
pierce, to	*bur-	74
	*dal-	148
	*t^{h}ar-	196
	*ʒer- or *ǯer-	297
	*c^{h}ag-	303
	*t$\textipa{\t{l}}^{h}$ak^{wh}-	597

English Meaning	Proto-Nostratic	Number
	**xat'-*	775
	**mir-*	898
	**nag-*	921
piercing (of sounds)	**k^{h}at^{h}-a*	435
pile	**k^{h}aw-a*	436
pile up, to	**t^{h}ul-*	213
	**k^{h}um-*	450
pimple	**p^{h}ul^{y}-a*	126
pinch	**bit'^{y}-a*	54
pinch, to	**t'^{y}ip^{h}-*	275
pit	**k^{h}ay-w-a*	440
	**k^{wh}ar-a*	520
	**wur^{y}-a*	842
place	**dag-a*	146
	**ʔas^{y}-a*	646
	**ʔin-a* (~ **ʔen-a*)	670
place, to	**dag-*	146
	**daw-*	157
	**day-*	159
	**k^{h}ay-*	438
	**ʔas^{y}-*	646
place down, to	**lag-*	944
place, to put in	**dag-*	146
placed	**ʔas^{y}-a*	646
placed, to be	**k^{h}ay-*	438
placing down, the act of	**lag-a*	944
plain (= evident)	**gal-a*	360
plain, to be	**ʔek'-*	659
plait, to	**t'an-*	227
	**k^{h}at^{h}-*	432
	**ħaw-*	732
plaited, anything	**t'an-a*	227
plaited, that which is	**k^{h}at^{h}-a*	432
plaiting, the act of	**ħaw-a*	732
plane, to	**t^{h}ar-*	199
plank	**č'ir-a*	341
play (a musical instrument), to	**bir-*	50
play (a wind instrument), to	**ʒim-* or **ǯim-*	300
play about, to	**ʒak'-*	295
playing (a musical instrument)	**bir-a*	50
playing (a wind instrument)	**ʒim-a* or **ǯim-a*	300
pleasant	**mal-a*	860
pleasant, to be	**mak'-*	857

English Meaning	Proto-Nostratic	Number
pleasantness	**mal-a*	860
pleased, to be	**pʰar-*	98
pleasing	**mal-a*	860
pleasure	**mak'-a*	857
plenty	**tʰir-pʰ-a*	209
	**gam-a*	366
	**ħapʰ-a*	719
	**maʔ-a*	847
plenty, to have	**tʰir-*	208
	**tʰir-V-pʰ-*	209
pluck, to	**pʰid-*	132
	**t'ar-V-pʰ-*	231
	**k'er-*	490
	**ħac'-*	702
pluck off, to	**pʰid-*	132
	**gal-*	357
	**k'alʸ-*	467
pluck out, to	**pʰid-*	132
	**k'alʸ-*	467
plucked	**ħac'-a*	702
plucking	**t'ar-pʰ-a*	231
plucking, the act of	**pʰid-a*	132
	**ħac'-a*	702
plug	**ʒag-a*	293
plum	**birʸ-q'-a*	52
plunder	**sʸilʸ-a*	284
plunge	**musʸ-a*	909
	**musʸ-k'-a*	909
plunge, to	**ʕam-*	749
plunge in water, to	**musʸ-*	909
	**musʸ-V-k'-*	909
plunge into, to	**t'al-*	222
point (= tip)	**bar-a*	27
	**dud-a*	171
	**ʒuʒ-a*	302
	**garʸ-a*	374
	**q'ʷar-a*	591
point of time	**ʔam-a*	630
point out, to	**kʰal-*	410
	**war-* and/or **wir-*	818
pointed	**ʔadʸ-a*	618
pole	**ɢarʸ-a*	562
polish, to	**mel-*	890

English Meaning	Proto-Nostratic	Number
	**mol-*	899
pool	**mor-a*	900
poplar tree	**t'ʸar-a*	270
	**wir-a*	835
portion	**bay-a*	40
	**pʰar-a*	99
	**pʰasʸ-a*	109
	**šiħ-a*	347
	**xal-a*	770
	**wan-a*	808
possessions	**ħapʰ-a*	719
post-positional intensifying and conjoining particle	**kʷʰa-* (~ **kʷʰə-*)	512
pot (= container)	**gal-a*	359
	**gub-a*	391
	**k'ud-a* (~ **k'od-a*)	496
	**kʷʰar-a*	522
pound, to	**dar-*	153
	**tʰapʰ-*	193
	**t'aħ-*	219
	**t'apʰ-*	228
	**t'uk'-*	244
	**tʸʰum-*	263
	**t'ʸad-*	264
	**cʰaħ-*	304
	**gin-*	385
	**k'an-*	472
	**k'ʷad-*	532
	**k'ʷaħ-*	534
	**ħur-*	743
	**wasʸ-*	820
pound (earth), to	**diqʰ-*	167
pounded	**k'ʷaħ-a*	534
pounding	**cʰaħ-a*	304
pounding, the act of	**cʰaħ-a*	304
	**gin-a*	385
	**wasʸ-a*	820
pour, to	**baʕ-*	1
	**ban-*	22
	**laħ-*	946
pour out, to	**ʔib-*	666
pour over, to	**bal-*	19
	**ʔib-*	666

English Meaning	Proto-Nostratic	Number
pouring	*ʔor-a	676
	*laħ-a	946
poverty	*k'al-a	463
power	*gal-a	364
	*ʔab-a	615
	*ħal^{y}-a	711
	*wak'-a	796
	*wal-a	797
	*woy-a	838
	*mag-a	850
	*mak'-a	856
powerful	*ʔad-a	617
	*ħal^{y}-a	711
	*mag-a	850
	*mak'-a	856
powerful, to be	*gal-	364
	*ʔad-	617
	*mak'-	856
pray, to	*p^{h}ir-	135
prayer	*p^{h}ir-a	135
precede, to	*p^{h}ar-	101
prepare, to	*ħar-	721
	*rak^{h}-	965
preparing, the act of	*rak^{h}-a	965
presence	*k'al-a	466
present (= gift)	*t'ox^{w}-a	242
	*ħin-k^{h}-a	736
present, to	*ħin-V-k^{h}-	736
presently	*nu	933
press, to	*t^{h}al^{y}-	190
	*ʒag-	293
	*č^{h}eč^{h}-	337
	*wal-	803
	*nad^{y}-	919
	*n^{y}am-	939
press between the fingers, to	*bit'^{y}-	54
press forward, to	*p^{h}ar-	101
press (in), to	*t̪ɬ'uk^{h}-	612
press in, to	*t^{h}ur-	216
	*k'^{w}aħ-	534
press together, to	*t^{h}ik'-	207
	*c'ur-	314
	*gid- or *ɢid-	381

English Meaning	Proto-Nostratic	Number
	**k'um-*	501
	**t͡ɬ'im-*	611
	**hak'-*	689
press with the hand, to	**k^{h}ap^{h}-*	419
pressed, that which is	**č^{h}ač^{h}-a*	337
pressed close together	**gid-a* or **ɢid-a*	381
pressed down, to be	**ħag-*	703
pressed tightly together	**t'an-a*	226
pressed together	**k'^{w}aħ-a*	534
	**t͡ɬ'im-a*	611
pressing	**ʒag-a*	293
	**n^{y}am-a*	939
pressing, the act of	**č^{h}ač^{h}-a*	337
pressure	**bit'^{y}-a*	54
	**t^{h}al^{y}-a*	190
	**t^{h}ik'-a*	207
	**t^{h}ur-a*	216
	**k'um-a*	501
prick	**c^{h}ag-a*	303
prick, to	**bit͡ɬ^{h}-*	55
	**dal-*	148
	**c^{h}ag-*	303
	**t͡ɬ^{h}ak^{wh}-*	597
	**xat'-*	775
prickly	**ʔad^{y}-a*	618
private parts (male or female)	**q'al^{y}-a*	578
proceed, to	**buw-*	80
	**ʔay-*	652
	**ʕat^{h}-*	757
proclaim, to	**bak^{h}-*	16
proclamation	**bak^{h}-a*	16
	**k'ar-a*	479
procure, to	**k^{wh}ar-*	523
procurement	**k^{wh}ar-a*	523
produce	**k'an-a*	469
produce, to	**č^{h}an-*	336
	**k'an-*	469
produced	**k'an-a*	469
produced, that which is	**č^{h}an-a*	336
progenitor	**man^{y}-a*	874
project, to	**gar^{y}-*	374
prominence	**did-a*	162
prominent, that which is most	**xaŋ-a*	773

English Meaning	Proto-Nostratic	Number
prong	*$t\underset{\smile}{ɬ}^{h}ak^{wh}$-*a*	597
pronominal base of uncertain deictic function	*gi- (~ *ge-)	379
proper	*t'ak^{h}-*a*	220
	*s^{y}uw-*a*	291
proper, to be	*t'ak^{h}-	220
	*s^{y}uw-	291
	*c'al- or *č'al-	308
property	*ħap^{h}-*a*	719
propriety	*t'ak^{h}-*a*	220
	*s^{y}uw-*a*	291
prosper, to	*riy-	972
prosperity	*bul-γ-*a*	65
	*buw-*a*	81
	*c'al-*a* or *č'al-*a*	308
	*g^{w}an-*a*	509
	*riy-*a*	972
protect, to	*p^{h}in^{y}-	118
	*t'aq'-	229
	*man-	870
protector	*man-*a*	870
protection	*p^{h}in^{y}-*a*	118
	*k^{h}ad-*a*	405
	*k^{h}al-*a*	409
	*man-*a*	870
	*rak'-*a*	967
protrude, to	*gar^{y}-	374
	*mun-	902
protuberance	*did-*a*	162
	*t^{h}aw-*a*	202
	*k'ar-*a*	482
	*ʕag-*a*	745
protuberance, rounded	*bun-*a*	70
proximity	*ʔan^{y}-*a*	634
puff	*bul-*a*	63
	*bul-bul-*a* (> *bum-bul-*a*)	66
	*p^{h}uš-*a*	129
	*p^{h}uw-*a*	138
puff of air	*ʔup^{h}-*a*	685
puff, to	*p^{h}uw-	138
puff up, to	*bar-	26
	*bul-	63
	*bun-	70

English Meaning	Proto-Nostratic	Number
	*$p^huš$-	129
	*p^huw-	138
puffed up	*$šiw$-*a*	348
pull	*t^har-*a*	194
pull, to	*bir-	51
	*p^hid-	132
	*t^har-	194
pull apart, to	*$p'ut'$-	142
pull off, to	*bir-	51
	*p^hid-	132
	*$k'al^y$-	467
	*x^wal-	777
pull (out), to	*wal-	798
pull out, to	*p^hid-	132
	*$k'al^y$-	467
	*x^wal-	777
pulled along, something	*t^har-*a*	194
pulled-off piece or part	*$p'ut'$-*a*	142
pulling	*wal-*a*	798
pulling, the act of	*p^hid-*a*	132
pulling off, the act of	*bir-*a*	51
	*x^wal-*a*	777
pulling out, the act of	*x^wal-*a*	777
pulverized, anything	*$t'aħ$-*a*	219
pungency	*k^har-*a*	428
pungent	*$ǯem$-*a*	334
	*k^har-*a*	428
pungent, anything that is	*$ǯem$-*a*	334
pungent smell	*d^yip^h-*a*	255
punishment	*sad^y-*a*	316
puppy	*k^huwan-*a* or *k^hun-*a*	454
pure	*hal-*a*	690
purify, to	*$ʔal$-	627
purity	*hal-*a*	690
pursue, to	*mar-	880
purulent, to be	*k'^wiy-	550
pus	*k'^wiy-*a*	550
push	*t^hal^y-*a*	190
	*$ʒag$-*a*	292
	*$t\underset{\smile}{ɬ}'uk^h$-*a*	612
push, to	*t^hak'-	187
	*t^hal^y-	190
	*$ʒag$-	292

English Meaning	Proto-Nostratic	Number
	*$t\underline{ɬ}$'uk^h-	612
push in, to	*t^{h}ur-	216
	*k'^{w}aħ-	534
pushed together	*k'^{w}aħ-a	534
pustule	*bug-a	60
put	*ʔas^y-a	646
put, to	*dag-	146
	*daw-	157
	*day-	159
	*k^{h}ay-	438
	*ʔas^y-	646
put down, to	*lag-	944
put in order, to	*woy-V-k^h-	839
put in place, to	*dag-	146
put in place, to be	*dag-	146
put into motion, to	*q^{h}ad-	570
put out (fire), to	*k'^{w}as-	545
put (together), to	*rak^h-	965
put together, to	*k'ač^h-	457
	*ɢam-	558
	*ħar-	721
putting down, the act of	*lag-a	944
putting (together), the act of	*rak^h-a	965
putrid	*q'ar^y-a	581
putrid, to be	*k'^{w}iy-	550
putrid thing	*q'ar^y-a	581
puzzled, to be	*diɢ-	164
quaking	*rag-a	963
quarrel	*bur-a	73
	*ɢal-a	557
	*q^{h}at^h-a	574
	*mar-a	877
quarrel, to	*bur-	73
	*mar-	877
quick	*ʔor-a	676
quiet	*t'um-a	246
	*k'^{w}ar-a	541
	*ʔan^y-a	633
	*rom-a	973
quiet, to	*t'um-	246
quiet, to be	*ʔan^y-	633
quiet, to become	*ħam-	714
quietness	*t'um-a	246

English Meaning	Proto-Nostratic	Number
quietude	*$k'^{w}ar$-a	541
	*rom-a	973
quiver, to	*$p^{h}at^{h}$-	111
radiance	*hal-a	690
	*wil^{y}-a	833
radiant	*bah-a	13
	*hal-a	690
radiate, to	*$ʔel$-	660
	*hal-	690
rag	*$k^{h}at^{h}$-a	433
rage	*bur-a	75
	*$ʔek^{h}$-a	658
rage, to	*bur-	75
	*$ʔek^{h}$-	658
raging, to be	*$ʔek^{h}$-	658
rain	*duw-a	183
	*$ʒar$-a or *$ǯar$-a	296
	*$k'^{w}ar^{y}$-a	544
	*mat'-a	888
	*rek'-a	971
rain, to	*sig-	327
	*$ħaw$-	730
raindrop	*$ʒil$-a or *$ǯil$-a	298
raindrops	*duw-a	183
rain, heavy	*nab-a	918
raining	*sig-a	327
rainy weather	*$k'ar$-a	480
raise, to	*$t^{h}ul$-	213
	*$k'ul$-	498
	*$ʕam$-	750
	*$ʕam$-V-d-	750
	*$ʕar$-V-g-	756
	*$xaŋ$-	773
	*war-	816
	*$nit̪^{h}$-	932
raise one's hand, to	*$ɢer$-	566
raise up, to	*sal-	321
raised	*did-a	162
	*dim-a	166
	*sal-a	321
	*$k^{h}il^{y}$-a	442
raised place	*dim-a	166
raising, the act of	*$nit̪^{h}$-a	932

English Meaning	Proto-Nostratic	Number
raising one's hand, the act of	*ɢer-a	566
rake	*t^har-a	199
	*gar-a	371
raking	*t^har-a	199
ram (= male sheep)	*daq^h-a	151
	*dur-a	182
	*k^hab-a	403
	*ʔar-a	644
rapid	*ʔor-a	676
rapid motion, any	*ʔor-a	676
	*raq'-a	968
rapid movement	*$k^{wh}at^h$-a	524
	*ʔek^h-a	658
rasping sound, to make	*$q^h ar^y$-	573
ravine	*ɢal-a	556
reach, to	*d^yiʔ-	254
	*t^{yh}ar-	259
	*sag- or *šag-	317
	*ħin-V-k^h-	736
ready, to make	*ħar-	721
rear	*ʕar-a	755
reckon, to	*man-	868
reckoning	*man-a	868
recognition	*k'an^y-a	475
	*ʕey-a	760
recognize, to	*ʕey-	760
recognized	*ʕey-a	760
recollection	*gun-a	394
recompense	*k^hap'-a	421
	*muy-a	910
recount, to	*t'il-	239
	*man-	868
rectitude	*woy-k^h-a	839
red-hot, to be	*k'^{w}am-	537
reduce, to	*t^haħ-	185
	*k'al-	463
	*k^{wh}ar-	521
	*ʔek'-	659
reduced, to be or become	*k'al-	463
reduction	*ʔek'-a	659
reed	*č'am-a	339
	*$k^h al^y$-a	411
refuse (= rubbish)	*gud-a	392

English Meaning	Proto-Nostratic	Number
	*q^hoc^h-*a*	575
regard, to	**gal-*	360
regard attentively, to	**rak'-*	967
related	**ʔar-a*	643
relative (= kinsman)	**ʔar-a*	643
relative (male or female), older	**ʔat'^{y}a*	648
relative (male or female), younger	**ʔina* or **ʔiŋa*	671
relative, (elder) male	**t'ay-a*	234
relative, female	**ʔay(y)a*	654
	**nat'-a*	926
relative, male	**ʔay(y)a*	655
relative on the mother's side	**ħaw-a*	729
relative pronoun stem	*$k^{wh}i$- (~ *$k^{wh}e$-)	528
	**ʔay-*, **ʔya-*	651
	**ma-* (~ **mə-*)	891
relax, to	**q'^{w}ad-*	587
	**rom-*	973
relaxation	**rom-a*	973
relaxed	**rom-a*	973
release, to	*$č^h$al-	335
released	*$č^h$al-a	335
remain, to	**k'^{w}ar-*	541
	**ħam-*	714
	**wan-*	807
	**man-*	869
remembrance	**gun-a*	394
remote	**t'aw-a*	232
remoteness	**t'aw-a*	232
removal	*s^yil^y-*a*	284
	**k'al^y-a*	467
remove, to	*t^hek^h-	203
	**k'al-*	463
	**k'al^y-*	467
	*q^hoc^h-	575
remove by peeling, to	*q^hoc^h-	575
remove by pulling off, to	*q^hoc^h-	575
remove by rubbing, to	*q^hoc^h-	575
remove by sweeping, to	*q^hoc^h-	575
remove by tearing off, to	*q^hoc^h-	575
remove by wiping, to	*q^hoc^h-	575
removed, that which has been	*q^hoc^h-*a*	575
removing, the act of	*t^hek^h-*a*	203
	*q^hoc^h-*a*	575

English Meaning	Proto-Nostratic	Number
rend, to	*t'ar-	230
	*t'ar-V-p^{h}-	231
rending	*t'ar-p^{h}-a	231
renown	*k^{h}ul-a	448
repay in kind, to	*k^{wh}ey-	526
repayment	*k^{wh}ey-a	526
	*muy-a	910
report	*war-a and/or *wir-a	818
	*wat^{h}-a	823
repose	*k'^{w}ar-a	541
request	*p^{h}ir-a	135
	*t'el-a	237
request, to	*p^{h}ir-	135
	*t'el-	237
requital	*muy-a	910
resemble, to	*sam-	322
reservoir	*mor-a	900
residence	*buw-a	80
resound, to	*daw-	156
respire, to	*ʕan-	752
rest (= relaxation)	*šaw-a	346
	*k'^{w}ar-a	541
	*ʔan^{y}-a	633
	*rom-a	973
rest, at	*k'^{w}ar-a	541
rest, to	*šaw-	346
	*k'^{w}ar-	541
	*q'^{w}ad-	587
	*ħam-	714
	*rom-	973
rest, to be at	*ʔan^{y}-	633
restful	*ʔan^{y}-a	633
resting place	*k^{h}ay-a	438
	*k'^{w}ar-a	541
	*ħam-a	714
restraint	*k^{h}al-a	409
return	*muy-a	910
return an equal measure, to	*k^{wh}ay-	526
return, to	*muy-	910
returned, that which is	*muy-a	910
reveal, to	*c'ar- or *č'ar-	310
revolve, to	*c'ur-	314
	*k^{wh}al-	514

English Meaning	Proto-Nostratic	Number
	**walʸ-*	804
revolves, that which	**kʷʰal-a*	515
rid of, to get	**čʰal-*	335
ridicule	**ʒak'-a*	295
rift	**tʸʰal-m-a*	258
right (= correct)	**woy-kʰ-a*	839
rigid	**t'ʸar-a*	269
rigid, that which is	**t'ʸar-a*	269
rigid, to be	**t'ʸar-*	269
rigid, to be or become	**garʸ-*	374
rind	**kʰar-a*	423
ring (= circle)	**kʰar-a*	424
rinse, to	**ħal-*	709
rip	**t'ar-a*	230
	**t'ʸar-a*	271
rip apart, to	**šar-*	343
rip off, to	**bir-*	51
ripe	**pʰarʸ-a*	107
ripen, to	**bul-V-γ-*	65
	**pʰarʸ-*	107
ripeness	**pʰarʸ-a*	107
ripening	**bul-γ-a*	65
	**dʸiʔ-a*	254
ripped	**t'ʸar-a*	271
ripping off, the act of	**bir-a*	51
rise, to	**bir-*	49
	**did-*	162
	**kʰilʸ-*	442
	**k'ul-*	498
	**ħon-*	740
	**ʕar-V-g-*	756
	**xaŋ-*	773
	**nit͡ɬʰ-*	932
rise (up), to	**ʔorʸ-*	677
rise high, to	**ʕal-*	747
rising motion	**ʔorʸ-a*	677
rising movement	**ʔorʸ-a*	677
river	**k'ʷalʸ-a*	536
	**ɢal-a*	556
	**ħapʰ-a*	720
road	**mar-a*	880
roaming	**kʷʰal-a*	513
roar	**k'ar-a*	479

English Meaning	Proto-Nostratic	Number
	*k'um-a	500
	*ɢar-a	559
	*ɢar-ɢar-a	559
roar, to	*gur-	396
	*ɢar-	559
	*ɢar-ɢar-	559
roaring noise or sound	*gur-a	396
roast, to	*gub-	391
	*k'al-	464
	*t͡ɬʰer-	603
roasted	*t͡ɬʰer-a	603
roasting	*k'al-a	464
rob, to	*kʰalʸ-	412
robbery	*sʸilʸ-a	284
rock (= stone)	*k'al-a	462
	*k'ʷar-a	542
rocking (= swaying; shaking)	*rag-a	963
rod	*ɢarʸ-a	562
roil (water), to	*dal-	149
roll, to	*gʷar-	510
	*kʷʰal-	514
	*ɢʷal-	585
	*walʸ-	804
	*mar-	879
	*ratʰ-	969
roll down, to	*c'ar-	309
rolling	*gʷar-a	510
	*ratʰ-a	969
rolling down, the act of	*c'ar-a	309
rolls, that which	*kʷʰal-a	515
room	*raw-ħ-a	970
rope	*pʰir-a	121
	*k'aŋ-a	473
	*kʷʰir-a	529
	*mar-a	879
root (of tree or plant)	*sʸir-a	286
rot, to	*k'ʷed-	549
	*q'arʸ-	581
rot away, to	*wasʸ-	820
rotate, to	*k'aw-	484
rotation	*walʸ-a	804
rotten	*q'arʸ-a	581
rotten thing	*q'arʸ-a	581

English Meaning	Proto-Nostratic	Number
rotten, that which is	*t'ʸam-a	267
rough	*bar-a	29
	*t'ʸar-a	269
	*kʰar-a	427
rough, that which is	*t'ʸar-a	269
rough, to be	*bar-	29
	*t'ʸar-	269
roughness	*bar-a	29
	*kʰar-a	427
round	*p'ul-a	140
	*kʰar-a	424
	*k'aw-a	484
	*gʷar-a	510
	*t͡ɬ'il-a	610
	*walʸ-a	804
round object	*ɢʷal-a	585
round object, any	*k'aw-a	484
	*gʷar-a	510
round thing or object	*t͡ɬ'il-a	610
round, to be	*ɢʷal-	585
	*t͡ɬ'il-	610
rounded protuberance	*bun-a	70
rounded prominence at the end of the bone forming a ball and a socket joint with the hollow of another bone	*ʔom-a	675
rouse, to	*wak'-	796
rub, to	*tʰar-	197
	*wal-	803
	*mal-	863
	*mel-	890
	*mol-	899
rub into, to	*mel-	890
	*mol-	899
rub smooth, to	*mel-	890
	*mol-	899
rub (with greast, oil, fat, ointment), to	*mar-	881
rubbed	*tʰar-a	197
rubbing, the act of	*mal-a	863
rubbish	*gud-a	392
	*qʰocʰ-a	575
rude	*nadʸ-a	920
rude, to be	*nadʸ-	920
ruffle, to	*dul-	173

English Meaning	Proto-Nostratic	Number
ruffled, to be	**dul-*	173
ruin	**bad-a*	9
	**pʰul-a*	125
	**kʼʷed-a*	549
	**ħul-a*	741
	**wed-a*	827
ruin, to	**pʰul-*	125
	**kʼʷed-*	549
ruined	**pʰul-a*	125
ruler	**ʈɬʰir-a*	606
	**ħakʼ-a*	707
rumble, loud	**ɢad-a*	554
	**ɢad-ɢad-a*	554
rumble, to	**gur-*	396
	**kʼʷarʸ-*	544
rumbling noise or sound	**gur-a*	396
rumination	**kʼep'-a*	488
rump	**kʼuŋ-a*	505
run, to	**dun-*	179
	**dʸaw-*	252
	**tʼʸor-*	276
	**girʸ-* or **ɢirʸ-*	388
	**ħapʰ-*	720
	**mar-*	880
	**ratʰ-*	969
run after, to	**mar-*	880
run away, to	**her-* and/or **hor-*	701
run out, to	**ʒar-* or **ǯar-*	296
running	**dʸaw-a*	252
	**tʼʸor-a*	276
	**ʔor-a*	676
	**ratʰ-a*	969
running water	**waǯ-a*	826
rupture	**cʰag-a*	303
	**mur-a*	905
ruptured	**mur-a*	905
sadness	**ħag-a*	703
safe	**sʸol-a*	287
safe, to be	**sʸol-*	287
safety	**sʸol-a*	287
saliva	**tʰupʰ-a*	215
same	**sam-a*	322
satisfied, to be	**pʰar-*	98

English Meaning	Proto-Nostratic	Number
	*t^hir-	208
	*t^hir-V-p^h-	209
savor, to	*bir^y-	52
saw (= cutting tool)	*gad-a	355
	*$t\underset{\smile}{l}^h$ar-a	600
	*ħaʒ-a	735
say, to	*t'eʔ-	236
	*t'il-	239
	*k^hil-	441
	*q'^{w}at^{yh}-	594
	*yan-	787
	*war- and/or *wir-	818
	*wat^h-	823
	*man-	868
saying	*yan-a	787
scab	*p^hak^h-a	85
	*gar-b-a	372
scanty	*k'al-a	463
scar	*gal-a	363
	*waħ-a	795
	*wed-a	827
scarcity	*k'al-a	463
scatter, to	*p^har-	100
	*duw-	183
	*t^har-	195
	*siħ-	328
scattered	*p^har-a	100
	*duw-a	183
	*t^har-a	195
scattered about	*siħ-a	328
scattered about, anything	*duw-a	183
scattered about, to be	*duw-	183
scattering	*ban-a	23
scattering about, the act of	*siħ-a	328
scoop out, to	*gal-	358
	*k^hay-	440
scooping out, the act of	*gal-a	358
scrape, to	*bar-	35
	*t^har-	199
	*č'ir-	341
	*gar-	371
	*ħar-	724
	*ħok'-	739

English Meaning	Proto-Nostratic	Number
	*$x^{w}at'$-	778
scrapes, that which	*gar-a	371
scraping	*t^{h}ar-a	199
	*ħar-a	724
	*ħok'-a	739
scraping, the act of	*$x^{w}at'$-a	778
scratch	*č'ir-a	341
	*$t\underset{\frown}{ɬ}^{h}$ar-t'-a	601
scratch, to	*t^{h}ar-	199
	*č'ir-	341
	*gar-	371
	*ħar-	724
	*ħok'-	739
	*$x^{w}at'$-	778
	*wur^{y}-	842
scratches, that which	*gar-a	371
scratching	*t^{h}ar-a	199
	*ħar-a	724
	*ħok'-a	739
scratching, the act of	*$x^{w}at'$-a	778
screech, to	*$k^{h}at^{h}$-	435
	*k'ar-	479
screeching	*$k^{h}at^{h}$-a	435
sea	*yam-a	786
	*mor-a	900
seat	*ʔas^{y}-a	646
seated	*ħam-a	714
seated, to be	*ʔas^{y}-	646
seclusion	*xol-a	776
second	*mal-a	864
section	*šiħ-a	347
see, to	*$t\underset{\frown}{ɬ}^{h}$il- or (?) *$t\underset{\frown}{ɬ}^{h}i\underset{\frown}{dɮ}$-	605
	*ʔil-	669
	*ʕen-	758
	*raʔ-	962
	*raʔ-V-y-	962
seed	*bar-a	32
seedling	*n^{y}aʕ-r-a	937
seek, to	*mar-	880
seeing	*raʔ-a	962
	*raʔ-y-a	962
seen	*ʕey-a	760
seize, to	*p^{h}id-	117

English Meaning	Proto-Nostratic	Number
	*$t^h ek^h$-	203
	*$s^y il^y$-	284
	*ʒum- or *ǯum-	301
	*gab-	353
	*gar-	369
	*$k^h am$- or *$q^h am$-	413
	*k'ab-	455
	*k'aw-	485
	*k'um-	501
	*ʔam-	629
	*ʕap'-	754
	*wot^h-	837
seize hold of, to	*bar-	31
seize with the hand, to	*$k^h ap^h$-	419
seize with the teeth, to	*k'ab-	455
seized	*ʔam-a	629
seizing	*ʒum-a or *ǯum-a	301
seizing, the act of	*$t^h ek^h$-a	203
	*ʒum-a or *ǯum-a	301
	*wot^h-a	837
seizure	*bar-a	31
	*k'ab-a	455
	*ʕap'-a	754
self	*bey-a	45
semen	*$p^h as^y$-a	110
send off, to	*ʔan-	632
sensation, burning	*$p^h al^y$-a	95
sense	*san-a or *šan-a,	
	*sin-a or *šin-a,	
	*sun-a or *šun-a	323
sense, to	*san- or *šan-,	
	*sin- or *šin-,	
	*sun- or *šun-	323
sensed, that which is	*san-a or *šan-a,	
	*sin-a or *šin-a,	
	*sun-a or *šun-a	323
senses, that which	*san-a or *šan-a,	
	*sin-a or *šin-a,	
	*sun-a or *šun-a	323
separate (= different)	*ʔaŋ-a	637
separate, to	*bad-	5
	*ban-	23
	*$p^h ar$-	99

English Meaning	Proto-Nostratic	Number
	**gal-*	357
	**kʰas-*	431
	**kʼalʸ-*	467
	**ʔaŋ-*	637
	**ʔar-*	641
	**γor-*	784
	**γor-V-b-*	784
	**law-*	957
separate into (equal) parts, to	**šiħ-*	347
separate into two parts, to	**tʼuʔʷ-*	243
separated	**gar-a*	370
	**ʔar-a*	641
separated from, to be	**xol-*	776
separation	**ban-a*	23
	**šiħ-a*	347
	**gal-a*	357
	**kʰas-a*	431
	**kʼalʸ-a*	467
	**ʔaŋ-a*	637
	**γor-a*	784
	**γor-b-a*	784
	**law-a*	957
separation into two	**tʼuʔʷ-a*	243
separatness	**kʰay-a*	437
	**kʰay-w-a*	437
set (= put; placed)	**ʔasʸ-a*	646
set, to	**daw-*	157
	**kʰay-*	438
	**ʔasʸ-*	646
set apart, to be	**xol-*	776
set down, to	**kʰatʰ-*	434
	**lag-*	944
set fire to, to	**wal-*	802
set fire to something, to	**bud-*	57
set free, to	**čʰal-*	335
set in motion, to	**ʔor-*	676
set of two	**yor-a*	790
set up, to	**daw-*	157
setting down, the act of	**lag-a*	944
settle down, to	**ħam-*	714
settled	**ħam-a*	714
settled place	**pʰal-a*	92
settlement	**pʰal-a*	92

English Meaning	Proto-Nostratic	Number
sever, to	*dum-	175
	*t'ar-	230
	*k'ir- or *k'ur-	491
	*ʔar-	641
	*law-	957
severance	*dum-a	175
severed	*ʔar-a	641
sewing	*ʕor^{y}-a	763
sexual intercourse, to have	*man^{y}-	873
sexual organs (male or female)	*q'al^{y}-a	578
shade	*t'^{y}al-a and/or *t'^{y}il-a	266
shadow	*t'^{y}al-a and/or *t'^{y}il-a	266
shaggy	*bar-a	29
shaggy, to be	*bar-	29
shagginess	*bar-a	29
shake, to	*p^{h}el-	116
	*p^{h}ir-	122
	*t^{h}ar-	201
	*gud-	392
	*k'al-	465
	*k^{wh}at^{h}-	524
	*ħat'-	728
	*ħut'-	744
	*naħ-	922
	*n^{y}uk^{h}-	941
	*rag-	963
shaken, to be	*ħat'-	728
shaking	*dul^{y}-a	174
	*k^{wh}at^{h}-a	524
	*ħat'-a	728
	*ħut'-a	744
	*n^{y}uk^{h}-a	941
	*rag-a	963
	*raq'-a	968
shaking (from fear, fright)	*t^{h}ar-a	201
shape	*sam-a	322
share	*bay-a	40
	*p^{h}ar-a	99
	*p^{h}as^{y}-a	109
	*dun^{y}-a	180
	*xal-a	770
	*wan-a	808
share, to	*bay-	40

English Meaning	Proto-Nostratic	Number
sharp (= pointed; cutting)	*k'^{w}at'-a	548
	*ʔad^{y}-a	618
sharp (= pungent)	*ǯem-a	334
	*k^{h}ar-a	428
	*ɢat'^{y}-a	564
	*ħam-a	713
sharp (= pungent), anything that is	*ǯem-a	334
sharp (= pungent), to be	*ħam-	713
sharp (of sounds)	*k^{h}at^{h}-a	435
sharp instrument	*t^{y}^{h}al-a	257
sharp instrument used for cutting, any	*sak^{h}-a	319
sharp point	*ħok^{h}-a	738
sharp-tasting foodstuff, any	*ħam-a	713
sharpen, to	*ʒag-	294
shatter, to	*p^{h}as^{y}-	109
she	*si- (~ *se-)	326
sheep	*bag-a	11
	*dur-a	182
sheep, (young)	*t͡ɬ^{h}aħ-a	596
sheep and goats	*ʕuw-a (~ *ʕow-a)	768
shell	*k'^{w}oy-a	552
shield	*k^{h}ad-a	405
shine (= luster; sparkle)	*ɢil-a	567
shine, to	*bah-	13
	*bal-	21
	*bar-	33
	*daɢ-	147
	*dil^{y}-	165
	*t'ay- or *t'iy-	235
	*ɢil-	567
	*q'al- or *q'el-	577
	*ʔel-	660
	*hal-	690
	*wal^{y}-	805
	*lah-	945
	*law-	956
shine brightly, to	*hag-	687
shining	*bah-a	13
	*ɢil-a	567
	*hal-a	690
	*wal^{y}-a	805
	*lah-a	945
	*law-a	956

English Meaning	Proto-Nostratic	Number
shiver, to	*ħut'-	744
shivering	*ħut'-a	744
shoot (= sprout)	*$n^{y}aʕ$-r-a	937
shoot, to	*ʕam-	751
short	*k'ut'-a	506
	*k^{wh}ar-a	521
short of	*k'al-a	463
shortened	*gar-a	370
shortness	*k'ut'-a	506
	*k^{wh}ar-a	521
shout	*q'^{w}ar-a or *q'^{w}ur-a	592
	*waʕ-a	793
shout, to	*gal-	361
	*k^{h}al-	408
	*k'ar-	479
	*q'^{w}al-	588
	*waʕ-	793
	*wal-	799
shove	*ʒag-a	292
	*$t\underline{ɬ}'uk^{h}$-a	612
shove, to	*ʒag-	292
	*$t\underline{ɬ}'uk^{h}$-	612
shove into, to	*ʒer- or *ǯer-	297
shower	*duw-a	183
shrill (of sounds)	*$k^{h}at^{h}$-a	435
shrill screech, to make a	*$k^{h}at^{h}$-	435
shrill sound, to make a	*$k^{h}at^{h}$-	435
	*x^{w}ir-	781
shrub	*ǯag^{w}-a	330
shut, to	*$c^{h}uk^{h}$-	307
	*k'ap^{h}-	478
sick, to be	*nus^{y}-	936
sick, to be or become	*mar^{y}-	885
sick, to become deathly	*daw-	158
sickness	*daw-a	158
	*mar^{y}-a	885
	*nus^{y}-a	936
side	*ʒag-a	294
	*gaŋ-a	368
	*k^{h}ar-a	425
	*ʔar-a	641
sieve	*saʔ-y-a	315
sift, to	*saʔ-V-y-	315

English Meaning	Proto-Nostratic	Number
sigh	*šaw-a	345
	*k'um-a	500
	*k'^{w}as-a	546
sigh, to	*p^{h}uš-	129
	*šaw-	345
	*k'um-	500
	*k'^{w}as-	546
sight	*ʕen-a	758
	*ʕey-a	760
	*raʔ-a	962
	*raʔ-y-a	962
silence	*dum-a	176
silent	*rom-a	973
silent, to be	*dum-	176
silliness	*ʔeb-a	657
silly	*ʔeb-a	657
similar	*sam-a	322
simple, to be	*ʔek'-	659
sinew	*s^{y}ir-a	285
	*s[e]n-a or *š[e]n-a	324
sing, to	*bir-	50
singing	*bir-a	50
single	*ʔoy-a	681
sink, to	*ʕam-	749
sink down, to	*lam-	952
	*lam-V-d-	952
sink into, to	*t'al-	222
sister	*da	144
	*da-da-	144
sister, elder	*ʔen^{y}a	662
sister-in-law	*k'el-a	486
	*nus^{y}-a	935
sit, to	*ʔas^{y}-	646
skill	*t'am-a	225
skin	*p^{h}ač'-a	83
	*p^{h}al-a	131
	*k^{h}ar-a	423
	*k'^{w}oy-a	552
	*lat^{h}-a	954
skin, (animal)	*nak^{h}-a	923
skull	*k^{h}ap^{h}-a	420
	*k^{h}ir-a	443
	*ɢ^{w}al-a	586

English Meaning	Proto-Nostratic	Number
slack	**dow-a*, **doy-a*	169
slacken, to	**dow-*, **doy-*	169
slackness	**dow-a*, **doy-a*	169
slap	**$t^{h}ap^{h}$-a*	193
slash	**q^{h}al-a*	571
	**$t\!\!\!\smile\!\!\!\downarrow^{h}$ar-a*	600
	**waŋ-a*	811
slaughter	**d^{y}ab-a*	248
	**$q^{h}at^{h}$-a*	574
	**ħal-a*	708
	**wel-a*	828
	**laħ-a*	947
slaughter, to	**ħal-*	708
slay, to	**g^{w}an-*	508
	**q'^{w}al-*	589
	**wel-*	828
sleep	**bad-a*	9
	**šaw-a*	346
sleep, to	**šaw-*	346
sleep, to go to	**nak^{wh}-*	924
slice	**t'ar-a*	230
	**č'ir-a*	341
	**$t\!\!\!\smile\!\!\!\downarrow^{h}$ar-a*	600
	**xat'-a*	775
slide, to	**ʒil-* or **ǯil-*	299
	**gil-*	382
slide down, to	**c'ar-*	309
sliding	**gil-a*	382
sliding, the act of	**ʒil-a* or **ǯil-a*	299
sliding down, the act of	**c'ar-a*	309
sling	**q'^{w}al-a*	590
slip, to	**gil-*	382
slip down, to	**c'ar-*	309
slippery	**ʒil-a* or **ǯil-a*	299
	**gil-a*	382
slipping, the act of	**ʒil-a* or **ǯil-a*	299
slipping down, the act of	**c'ar-a*	309
slit	**bit$\downarrow^{h}$-a*	55
	**k'ir-a* or **k'ur-a*	491
	**$t\!\!\!\smile\!\!\!\downarrow^{h}$al-a*	598
	**$t\!\!\!\smile\!\!\!\downarrow^{h}$ar-a*	600
slow	**dow-a*, **doy-a*	169
slow, to be	**hak^{h}-*	688

English Meaning	Proto-Nostratic	Number
slow down, to	*dow-, *doy-	169
slowly	*hak^{h}-	688
slowly, to do or approach something	*hak^{h}-	688
slownesss	*dow-a, *doy-a	169
	*hak^{h}-a	688
sluggish, to be	*hak^{h}-	688
sluggishness	*hak^{h}-a	688
slumber	*šaw-a	346
small	*č'ik'-a	340
	*gin-a or *ɢin-a	384
	*k'ut'-a	506
	*nus^{y}-a	934
small, to be	*č'ik'-	340
	*gin- or *ɢin-	384
	*ʔek'-	659
	*nus^{y}-	934
small piece	*t'^{y}ak^{h}-a	265
small pieces, to cut into	*t'^{y}ak^{h}-	265
small quantity	*k'al-a	463
small things	*č'ik'-a	340
smallness	*k'ut'-a	506
	*nus^{y}-a	934
smart, to	*p^{h}al^{y}-	95
smash, to	*k'^{w}ad-	532
smear (with greast, oil, fat, ointment), to	*mar-	881
smell	*ʕut'-a	767
smell, pungent	*d^{y}ip^{h}-a	255
smell, to	*ʕut'-	767
smoke	*p'ul^{y}-a	141
	*duw-a	183
	*t'uq'^{w}-a	247
	*k'^{w}am-a	537
	*k'^{w}at'-a	547
smoke, to	*k'^{w}am-	537
	*k'^{w}at'-	547
smoke, to give off	*p'ul^{y}-	141
smoky, to be	*t'uq'^{w}-	247
smolder, to	*k^{h}um-	452
	*k'^{w}am-	537
	*k'^{w}at'-	547
smoldering	*k^{h}um-a	452
smooth	*ʒil-a or *ʒil-a	299
	*gil-a	382

English Meaning	Proto-Nostratic	Number
	**mel-a*	890
smoothness	**mel-a*	890
snake	**gʷal-a*	507
snatch, to	**sʸilʸ-*	284
snort	**pʰuš-a*	129
snow	**tʰow-a*	211
snow, to	**tʰow-*	211
snow-storm	**tʰow-a*	211
so-and-so, to be not	**ʔal-* (perhaps also **ʔel-*, **ʔul-*)	628
soak, to	**šuw-*	349
	**šuw-V-l-*	349
soaked	**šuw-a*	349
	**šuw-l-a*	349
soft	**mel-a*	890
	**nusʸ-a*	934
soft, to be	**nusʸ-*	934
soften, to	**mel-*	890
	**mol-*	899
softened	**ɢar-a*	560
softness	**mel-a*	890
soil (= earth)	**tʰorʸ-a*	210
	**ʔul-a*	682
soil, to	**mar-*	882
soiled (= dirty)	**kʼar-a*	480
	**mar-a*	882
sole of the foot	**ʔul-a*	682
solid	**tʰikʼ-a*	207
	**tʼʸar-a*	268
	**kʼʷurʸ-a*	553
solid, to be	**kʼʷurʸ-*	553
solidity	**tʰikʼ-a*	207
	**tʼʸar-a*	268
	**kʼʷurʸ-a*	553
solitude	**kʰay-a*	437
	**kʰay-w-a*	437
	**ʔoy-a*	681
	**xol-a*	776
somebody [indefinite pronoun stem]	**ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*)	844
someone [indefinite pronoun stem]	**ma-* (~ **mə-*), **mi-* (~ **me-*),	

English Meaning	Proto-Nostratic	Number
	**mu-* (~ **mo-*)	844
son	**sʸaw-a* or **sʸew-a*	279
soot	**tʰukʰ-a*	212
	**t'uqʼʷ-a*	247
sooty, to be	**t'uqʼʷ-*	247
sore	**gar-b-a*	372
sore on the skin	**gal-a*	363
soul	**bey-a*	45
sound (= noise)	**baħ-a*	14
	**bar-a*	36
	**bug-r-a*	61
	**daw-a*	156
	**t'eʔ-a*	236
	**kʰal-a*	408
	**kʰil-a*	441
	**qʼʷal-a*	588
	**wal-a*	799
	**watʰ-a*	823
	**mur-a*	908
	**mur-mur-a*	908
sound, (crackling)	**k'ak'-*	459
sound, (ringing or tinkling)	**kʰaŋ-a*	418
sound (= healthy)	**sʸol-a*	287
sound (= healthy), to be	**sʸol-*	287
sound, to	**daw-*	156
	**kʰal-*	408
	**kʰaŋ-*	418
sound, to make a	**bar-*	36
	**bug-V-r-*	61
	**kʰil-*	441
	**mur-*	908
	**mur-mur-*	908
sound, to make a loud	**ɢad-*	554
	**ɢad-ɢad-*	554
sound judgment	**ħakʰ-a*	705
sour	**ǯem-a*	334
	**ħam-a*	713
sour, anything that is	**ǯem-a*	334
sour, that which is	**tʼʸam-a*	267
sour, to be	**ħam-*	713
sour, to turn	**tʼʸam-*	267
sour foodstuff, any	**ħam-a*	713
space	**pʰar-a*	100

English Meaning	Proto-Nostratic	Number
	*raw-ħ-a	970
spacious	*pʰatʰ-a	112
	*raw-ħ-a	970
spacious, to be	*pʰatʰ-	112
	*raw-V-ħ-	970
spade	*gar-a	371
	*ɢar-a	561
sparse	*k'al-a	463
spark	*pʰaħ-a	130
	*pʰaħ-w-a	130
	*k'ʷas-a	545
sparkle, to	*bar-	33
	*q'al- or *q'el-	577
speak, to	*t'eʔ-	236
	*kʰil-	441
	*q'ʷatʸʰ-	594
	*xʷat'-	779
	*yan-	787
	*war- and/or *wir-	818
	*watʰ-	823
	*man-	868
spear	*tʰar-a	196
	*ʒer-a or *ǯer-a	297
spear(head)	*waħ-a	795
speech	*t'eʔ-a	236
	*t'il-a	239
	*kʰil-a	441
	*war-a and/or *wir-a	818
speedy	*t'ʸor-a	276
spend time, to	*buw-	80
sperm	*pʰasʸ-a	110
sphere	*ɢʷal-a	585
spike (= barb)	*bar-a	27
	*t͡ɬʰakʷʰ-a	597
spill	*dun-a	179
	*ʔib-a	666
spill out, to	*ʒar- or *ǯar-	296
spill over, to	*ʔib-	666
spin around, to	*kʰar-	424
spirit	*bey-a	45
spirited, to be	*ʔekʰ-	658
spit, to	*tʰupʰ-	215
spit out, to	*wam-	806

English Meaning	Proto-Nostratic	Number
spit up, to	*wam-	806
spite	*$q^h at^h$-a	574
spittle	*$t^h up^h$-a	215
	*wam-a	806
spleen	*$p^h al$-a	86
splendor	*bah-a	13
	*ʔel-a	660
	*wil^y-a	833
	*mag-a	850
split	*bad-a	5
	*bak'-a	17
	*$p^h ač^h$-a	82
	*$p^h al$-a	87
	*$p^h as^y$-a	109
	*$p^h il^y$-a	133
	*dal-a	148
	*$t^h ar$-a	196
	*t'aħ-a	219
	*$t'^y ar$-a	271
	*$c^h al$-a	305
	*gad-a	355
	*$t͡ɬ^h ut'$-a	608
split, that which is	*gad-a	355
split, to	*bad-	5
	*bak'-	17
	*$bit͡ɬ^h$-	55
	*$p^h al$-	87
	*$p^h as^y$-	109
	*$p^h il^y$-	133
	*dun^y-	180
	*$t^h ar$-	196
	*t'aħ-	219
	*$t'^y ar$-	271
	*$c^h al$-	305
	*sak^h-	319
	*šar-	343
	*gad-	355
	*gar-	370
	*k'ir- or *k'ur-	491
	*$q^h al$-	571
	*$t͡ɬ^h ut'$-	608
	*nag-	921
split (with a tool or weapon), to	*bar-	35

English Meaning	Proto-Nostratic	Number
split apart, to	*bit͡ɬ^{h}-	55
	*p^{h}ač^{h}-	82
	*haŋ-	695
split into small pieces, to	*k'ep'-	488
split into two parts, to	*t'uʔ^{w}-	243
split open, to	*p^{h}ač^{h}-	82
	*t͡ɬ^{h}al-	598
splits, that which	*šar-a	343
splitting into small pieces, the act of	*k'ep'-a	488
spoil, to	*k'^{w}ed-	549
spoiled, that which is	*t'^{y}am-a	267
spoon	*k^{h}ay-a	440
sport	*ʒak'-a	295
sport, to make	*ʒak'-	295
spot	*mar-a	882
spotted, that which is	*bul-a	68
spray	*rek'-a	971
spray, to	*rek'-	971
spread	*ban-a	23
	*bul-a	63
	*p^{h}al-	89
	*t^{h}al^{y}-a	189
	*t^{h}an^{y}-	191
	*t^{h}ar-a	195
spread, to	*ban-	23
	*p^{h}ar-	100
	*p^{h}at^{h}-	112
	*t^{h}al^{y}-	189
	*t^{h}ar-	195
	*ħak'-	706
spread about, to	*t^{h}ar-	195
spread forth, to	*s^{y}or-	288
spread out	*p^{h}ar-a	100
	*t^{h}al^{y}-a	189
spread out, to	*bul-	63
	*p^{h}at^{h}-	112
	*t^{h}ar-	195
spread out, to be	*p^{h}at^{h}-	112
spring (= stream)	*k'^{w}al^{y}-a	536
spring forth, to	*s^{y}or-	288
	*ʒar- or *ǯar-	296
sprinkle, to	*ban-	22
	*t'al^{y}-	224

English Meaning	Proto-Nostratic	Number
	**rek'-*	971
sprinkle with water, to	**siħ-*	328
sprinkled	**duw-a*	183
sprinkled about, anything	**duw-a*	183
sprinkling	**ʒil-a* or **ǯil-a*	298
	**rek'-a*	971
sprout	**ʕag-a*	745
	**xan-a*	772
	**nʸaʕ-r-a*	937
sprout, to	**bul-V-γ-*	65
	**ʕag-*	745
	**xan-*	772
	**nʸaʕ-V-r-*	937
squander, to	**bad-*	6
squeak, to	**c'irʸ-*	313
squeeze	**bit'ʸ-a*	54
squeeze (out), to	**mal-*	862
squeeze, to	**bit'ʸ-*	54
	**čʰečʰ-*	337
	**nʸam-*	939
squeeze tight, to	**ʒag-*	293
squeeze together, to	**tʰik'-*	207
	**hak'-*	689
squeeze with the hand, to	**kʰapʰ-*	419
squeezed, that which is	**čʰečʰ-a*	337
squeezing	**ʒag-a*	293
	**nʸam-a*	939
squeezing, the act of	**čʰečʰ-a*	337
squirrel	**wur-a* (~ **wor-a*)	841
stab	**t͡ɬʰakʷʰ-a*	597
stab, to	**ʒer-* or **ǯer-*	297
	**t͡ɬʰakʷʰ-*	597
	**waħ-*	795
	**waŋ-*	811
	**mir-*	898
	**nag-*	921
stable, to be	**dag-*	146
stack	**tʰul-a*	213
stack (in a heap), to	**tʰul-*	213
staff	**ɢarʸ-a*	562
stain	**mar-a*	882
stain, to	**mar-*	882
stalk	**kʰalʸ-a*	411

English Meaning	Proto-Nostratic	Number
	*$k^h an^y$-*a*	416
	*ɢar^y-*a*	562
stand guard over, to	**man-*	870
stand on end, to	**bar-*	27
stand out, to	**gar^y-*	374
	**mun-*	902
star	**q'al-a* or **q'el-a*	577
startled, to be	**ħat'-*	728
starvation	**wal-a*	803
stay, to	*$k'^w ar$-*	541
	**wan-*	807
	**man-*	869
staying	**buw-a*	80
steadfast	*$t'^y ar$-*a*	268
steadfast, to be	**man-*	869
steal, to	*$k^h al^y$-*	412
steam	*$p'ul^y$-*a*	141
	**duw-a*	183
steam, to give off	*$p'ul^y$-*	141
stem	*$k^h al^y$-*a*	411
	*$k^h an^y$-*a*	416
	*ɢar^y-*a*	562
stench	*$d^y ip^h$-*a*	255
step	*ʔot'-*a*	679
step aside, to	*ʔot'-*	679
step by step, to do or approach something	*hak^h-*	688
stick	**bud-a*	59
	*$k^h an^y$-*a*	416
	*ɢar^y-*a*	562
stick out, to	*ɢar^y-*	374
stiff	*$t'^y ar$-*a*	269
stiff, that which is	*$t'^y ar$-*a*	269
stiff, to be	*$t'^y ar$-*	269
stiff, to be or become	*ɢar^y-*	374
still (= quiet)	*$k'^w ar$-*a*	541
	*ʔan^y-*a*	633
	**rom-a*	973
still, to be	*ʔan^y-*	633
still, to become	**ħam-*	714
stillness	*$k'^w ar$-*a*	541
	**ħam-a*	714
sting	*$c^h ag$-*a*	303
stink, to	*$d^y ip^h$-*	255

English Meaning	Proto-Nostratic	Number
	*q'ar^{y}-	581
stinking	*q'ar^{y}-a	581
stinking thing	*q'ar^{y}-a	581
stir, to	*k'al-	465
	*rag-	963
stir up, to	*dal-	149
	*ɢal-	557
	*wak'-	796
stir up trouble, to	*dul-	173
stirred up, to be	*ɢal-	557
stomach	*wat'^{y}-a	824
stone	*p^{h}al-a	88
	*k^{h}iw-a	445
	*k'al-a	462
	*k'^{w}ar-a	542
stone, grinding	*k'^{w}ar-a	542
stoop down, to	*k'um-	502
	*lam-	952
	*lam-V-d-	952
stooping, the act of	*k'um-a	502
stop, to	*t'ad-	218
	*rom-	973
stoppage	*c^{h}uk^{h}-a	307
storm	*bur-a	75
	*sig-a	327
	*k'^{w}ar^{y}-a	544
storm cloud	*nab-a	918
stormy weather	*k'^{w}ar^{y}-a	544
story	*k^{h}ul-a	449
stove	*gub-a	391
straight	*woy-k^{h}-a	839
straightness	*woy-k^{h}-a	839
strain	*k'ac^{h}-a	456
strain, to	*k'ac^{h}-	456
	*muk'-	901
straining (as a woman in labor or as when defecating)	*muk'-a	901
stranger	*gus-a	398
strangle, to	*ħan-V-g-	717
strap	*ʒal-a	332
stream	*d^{y}aw-a	252
	*ʒar-a or *ǯar-a	296
	*k'^{w}al^{y}-a	536

English Meaning	Proto-Nostratic	Number
	**ħap^{h}-a*	720
	**mor-a*	900
strength	**t'^{y}ar-a*	268
	**gal-a*	364
	**g[e]n-d-a*	378
	**k^{h}ar-a*	426
	**ʔab-a*	615
	**ħal^{y}-a*	711
	**ʕur-a*	766
	**wak'-a*	796
	**wal-a*	797
	**woy-a*	838
	**mag-a*	850
	**mak'-a*	856
stretch	**ban-a*	23
	**t^{h}al^{y}-a*	189
	**t^{h}ar-a*	195
	**rak'-a*	966
stretch, to	**t^{h}al^{y}-*	189
	**t^{h}an^{y}-*	191
	**t^{h}ar-*	195
	**ʔut'-*	686
	**war-*	815
	**mad-*	848
	**mat'-*	887
	**rak'-*	966
stretch out, to	**t^{h}ar-*	195
	**t'al-*	223
	**c'al-* or **č'al-*	308
stretch out the hand, to	**ɢer-*	566
stretched	**t^{h}al^{y}-a*	189
	**t^{h}an^{y}-a*	191
	**t^{h}ar-a*	195
	**rak'-a*	966
stretching, the act of	**rak'-a*	966
stretching out one's hand, the act of	**ɢer-a*	566
strew, to	**t^{h}ar-*	195
	**siħ-*	328
strewing about, the act of	**siħ-a*	328
strewn	**duw-a*	183
strewn about	**siħ-a*	328
strewn about, anything	**duw-a*	183
strewn about, to be	**duw-*	183

English Meaning	Proto-Nostratic	Number
strife	*$t\!\!\downarrow^{h}$ar-a	599
strife, to cause	*$t\!\!\downarrow^{h}$ar-	599
strike	*baħ-a	15
	*dal-a	148
	*$t^{y h}$al-a	257
	*k'an-a	472
	*g^{w}an-a	508
	*wed-a	827
strike, to	*baħ-	15
	*ban-	24
	*t^{h}ak'-	187
	*$t^{h}ap^{h}$-	193
	*t'ap^{h}-	228
	*t'aw-	233
	*t'uk'-	244
	*d^{y}ab-	248
	*$t^{y h}$um-	263
	*t'^{y}ad-	264
	*k'an-	472
	*k'ud-	495
	*g^{w}an-	508
	*k'^{w}ad-	532
	*k'^{w}aħ-	534
	*q^{h}al-	571
	*$q^{h}at^{h}$-	574
	*q'^{w}al-	589
	*ʕak^{h}-	746
	*waħ-	795
	*waŋ-	811
	*nag-	921
	*nik^{h}-	931
	*laħ-	947
	*lax^{w}-	959
strike fire, to	*k'^{w}as-	545
strike (with a weapon), to	*wed-	827
strike (with an instrument), to	*gad-	355
strike with a sharp instrument, to	*$t^{y h}$al-	257
striking, the act of	*ʕak^{h}-a	746
	*lax^{w}-a	959
string	*p^{h}ir-a	121
	*ǯal-a	332
	*k'aŋ-a	473
	*mar-a	879

English Meaning	Proto-Nostratic	Number
strip away, to	*k'al^{y}-	467
strip off, to	*k'al^{y}-	467
stripping away	*k'al^{y}-a	467
stripping off	*k'al^{y}-a	467
strive against, to	*mar-	877
strive for, to	*win- or *wiŋ-	834
stroke	*t^{h}ak'-a	187
	*t^{h}ap^{h}-a	193
	*t'ap^{h}-a	228
	*t'uk'-a	244
	*d^{y}ab-a	248
	*c^{h}al-a	305
	*k'ud-a	495
	*k'^{w}ad-a	532
	*q^{h}al-a	571
	*nag-a	921
	*lax^{w}-a	959
stroke, to	*mal-	863
stroking, the act of	*mal-a	863
strong	*t'^{y}ar-a	268
	*k^{h}ar-a	426
	*ʔab-a	615
	*ʔad-a	617
	*ħal^{y}-a	711
	*ʕur-a	766
	*mag-a	850
	*mak'-a	856
	*man-g-a	872
strong, to be	*gal-	364
	*ʔad-	617
	*ħal^{y}-	711
	*ʕur-	766
	*xam-	771
	*xam-V-d-	771
	*mak'-	856
strong, to be or become	*wal-	797
strong odor, to give off a	*d^{y}ip^{h}-	255
strongly attached, to be	*t'^{y}ar-	268
structure	*t'am-a	225
struggle	*bur-a	73
stuck together, to be or become	*t'^{y}ar-	268
study	*k^{h}al-a	410
stuff, to	*t^{h}ur-	216

English Meaning	Proto-Nostratic	Number
	*t'an-	226
	*ʒag-	293
(stupid, to be)	*dul-	173
(stupidity)	*dul-a	173
stupor	*$t^{y h}$um-a	263
succumb, to	*ʔeb-	657
such-and-such, to be not	*ʔal- (perhaps also *ʔel-, *ʔul-)	628
suck (milk from a breast), to	*ʕun^{y}-	765
suck (out), to	*mal-	862
suck, to	*diy-	168
	*k'^{w}an-	538
	*ʕim-	762
suck, to give	*mal-	862
suck milk, to	*lab-	943
suck (the breast), to	*mam-, *mem-	845
sucking	*lab-a	943
sucking, the act of	*ʕim-a	762
suckle, to	*diy-	168
	*k'^{w}an-	538
	*mam-, *mem-	845
	*mal-	862
	*man-	867
suckling	*man-a	867
suffer, to	*t^{h}al^{y}-	189
	*gal-	362
	*muŋ-	904
	*nus^{y}-	936
suffer, to make to	*bad-	7
suffering	*bad-a	7
	*t^{h}al^{y}-a	189
	*muk'-a	901
	*muŋ-a	904
	*nik^{h}-a	931
suffering, to be in	*muŋ-	904
suffering, to cause	*muŋ-	904
suitability	*t'ak^{h}-a	220
	*s^{y}uw-a	291
suitable	*t'ak^{h}-a	220
	*s^{y}uw-a	291
suitable, to be	*t'ak^{h}-	220
	*s^{y}uw-	291
summer	*s^{y}am-a	277

English Meaning	Proto-Nostratic	Number
summit	*gub-a	390
	*k^hir-a	443
	*ʕal-a	747
summons	*q'^{w}at^{yh}-a	594
sun	*s^yax^w-a	281
sunken	*ʕam-a	749
sunlight	*hag-a	687
sunny, to be	*s^yam-	277
sunset	*γam-a	782
superior	*ʔap^h-a	640
	*ħar-a	723
superior, that which is	*ʔap^h-a	640
superior, to be	*ʔap^h-	640
	*ħar-	723
supervise, to	*rak'-	967
support	*k^hal-a	409
surge	*bal-a	19
	*s^yor-a	288
	*wel^y-a	830
surge, to	*bal-	19
	*wel^y-	830
surge forth, to	*s^yor-	288
surge up, to	*ħaw-	730
surpass, to	*p^{h}ar-	101
	*d^yiʔ-	254
	*ʔap^h-	640
	*maħ-	853
	*mik'-	896
surplus	*t^hir-p^h-a	209
	*gam-a	366
surprise, exclamation of	*hay	699
surround, to	*c'ur-	314
surroundings	*c'ur-a	314
surrounds, that which	*c'ur-a	314
suspend, to	*ʈɬ^{h}uŋ-V-k^h-	607
sustenance	*k'al-a	461
swallow, to	*šaw-	344
	*q'el-	583
	*q'^{w}ur-	595
	*ʕim-	762
	*ʕun^y-	765
swallowing, the act of	*ʕim-a	762
swamp	*ber-a	43

English Meaning	Proto-Nostratic	Number
	**mar-a*	883
sweepings	**q^{h}oc^{h}-a*	575
swell, to	**bar-*	26
	**bir-*	49
	**bug-*	60
	**bul-*	63
	**bul-bul-* (> **bum-bul-*)	66
	**bun-*	70
	**bun-V-g-*	70
	**p^{h}uʔ-*	124
	**p^{h}ul^{y}-*	126
	**p'ul-*	140
	**dar^{y}-*	155
	**did-*	162
	**t^{h}aw-*	202
	**t^{y}^{h}iq'^{w}-*	261
	**šiw-*	348
	**gar^{y}-*	373
	**k^{h}aw-*	436
	**g^{w}an-*	509
	**ħaw-*	731
	**ħay-V-t'-*	734
	**ħon-*	740
	**maħ-*	853
	**man-*	871
	**man-V-g-*	872
	**mik'-*	896
swelling	**bar-a*	26
	**bul-bul-a* (> **bum-bul-a*)	66
	**bun-a*	70
	**bun-g-a*	70
	**p^{h}uʔ-a*	124
	**p'ul-a*	140
	**dar^{y}-a*	155
	**t^{h}aw-a*	202
	**t^{y}^{h}iq'^{w}-a*	261
	**šiw-a*	348
	**gar^{y}-a*	373
	**g^{w}an-a*	509
	**ħaw-a*	731
	**ħay-t'-a*	734
	**ħon-a*	740
swelling (on the skin)	**p^{h}ul^{y}-a*	126

English Meaning	Proto-Nostratic	Number
swift	*$t'^{y}or$-a	276
swiftly, to move	*$p^{h}ar$-	102
swim	*wuy-a or *Huy-a	843
swim, to	*wuy- or *Huy-	843
swimming	*wuy-a or *Huy-a	843
swing back and forth, to	*dul^{y}-	174
swinging	*dul^{y}-a	174
swollen	*bun-g-a	70
	*$p'ul$-a	140
	*did-a	162
	*$t^{h}aw$-a	202
	*$šiw$-a	348
	*$ħay$-t'-a	734
	*man-g-a	872
swollen, that which is	*$p^{h}ul^{y}$-a	127
sword	*sak^{h}-a	319
	*$waħ$-a	795
tail	*$k'^{w}ad$-a	533
take (away), to	*$t^{h}ek^{h}$-	203
	*$s^{y}il^{y}$-	284
take (with the hand), to	*gat'-	376
take (with the hands or arms), to	*$ħap^{h}$-	719
take, to	*day-	161
	*$ʒum$- or *$ǯum$-	301
	*$k'aw$-	485
	*$ʔam$-	629
	*wad-	794
	*man^{y}-	875
	*$nit\!\!\downarrow^{h}$-	932
take away, to	*$k'al$-	463
	*$q^{h}oc^{h}$-	575
	*wot^{h}-	837
take by force, to	*$ʕap'$-	754
take care of, to	*man-	870
take hold of, to	*bar-	31
	*$p^{h}aŋ$-	96
	*$p^{h}aŋ$-V-k^{wh}-	96
	*gar-	369
	*$k'ab$-	455
	*$ʕap'$-	754
	*wot^{h}-	837
	*lab-	942
take in hand, to	*$p^{h}aŋ$-	96

English Meaning	Proto-Nostratic	Number
	*p^haŋ-V-k^{wh}-	96
take off, to	*q^hoc^h-	575
take with the hand, to	*k^hap^h-	419
taking	*ʒum-a or *ǯum-a	301
	*lab-a	942
taking, the act of	*t^hek^h-a	203
	*ʒum-a or *ǯum-a	301
	*wad-a	794
	*wot^h-a	837
tale	*t'il-a	239
	*k^hul-a	449
talk (= speech; discourse)	*t'il-a	239
	*x^wat'-a	779
talk, to	*k^hil-	441
talkative, to be	*wat^h-	823
tall	*bir-a	49
	*bir-g-a	49
	*t'al-a	223
tall, to be	*ʕal-	747
tallness	*bir-a	49
(tallow)	*p^hul^y-a	127
tame	*t'um-a	246
tame, to	*t'um-	246
tamp (earth), to	*diq^h-	167
taut	*t^har-a	195
tear (= split)	*t^har-a	196
	*t'ar-a	230
	*t'^{y}ar-a	271
	*gal-a	357
	*row-a	974
tear, to	*p^hid-	132
	*t^har-	196
	*t'ar-	230
	*t'ar-V-p^h-	231
tear apart, to	*p'ut'-	142
	*row-	974
tear asunder, to	*šar-	343
tear off, to	*bir-	51
	*p^hid-	132
	*p'ut'-	142
	*gal-	357
	*k'al^y-	467
	*x^wal-	777

English Meaning	Proto-Nostratic	Number
tear out, to	*p^hid-	132
	*k'al^y-	467
	*x^wal-	777
tearing	*t'ar-p^h-a	231
tearing, the act of	*p^hid-a	132
tearing off, the act of	*bir-a	51
	*x^wal-a	777
tearing out, the act of	*x^wal-a	777
teat	*diy-a	168
	*ʕim-a	762
teeming	*ʔap^h-a	640
tell, to	*t'il-	239
	*k^hul-	449
	*q'^{w}at^{yh}-	594
	*war- and/or *wir-	818
tend, to	*man-	870
tender	*ʔax-a	620
	*mel-a	890
tender, to be	*ʔax-	620
	*ħan-	715
tenderness	*ħan-a	715
tendon	*s^{y}ir-a	285
	*s[e]n-a or *š[e]n-a	324
terrified, to be	*ħat'-	728
testicle	*mun-a	903
	*mun-d-a	903
testicles	*bul-a (~ *bol-a)	64
that	*t^hi- (~ *t^he-)	184
	*ša- (~ *šə-)	342
	*k^hi- (~ *k^he-)	402
	*ʔu- (~ *ʔo-)	614
	*mi- (~ *me-)	844
	*na (~ *nə), *ni (~ *ne)	913
that one	*d^{y}i- (~ *d^{y}e-)	253
that over there	*t^{yh}a-	256
	*ʔa- (~ *ʔə-)	614
	*ʔul- (~ *ʔol-)	683
that yonder	*t^hu- (~ *t^ho-)	184
	*k^hu- (~ *k^ho-)	402
	*ʔa- (~ *ʔə-)	614
	*ʔul- (~ *ʔol-)	683
	*mu- (~ *mo-)	844
that yonder (not very far)	*t^{yh}a-	256

English Meaning	Proto-Nostratic	Number
theft	*$k^h al^y$-*a*	412
their	*-*si* (~ *-*se*)	326
them	**si*- (~ **se*-)	326
then	*$ħar^y$-	725
therefore	*$ħar^y$-	725
they	**si*- (~ **se*-)	326
thick	**bar-a*	29
	**bun-g-a*	70
	*$t^h ik'$-*a*	207
	**t'an-a*	226
	**k'an-a*	471
thick, to be	**bar*-	29
thickness	**bar-a*	29
	**t'an-a*	226
	**k'an-a*	471
	*$k'^w ur^y$-*a*	553
(thin)	*$t^h al^y$-*a*	189
thin, to grow	*$t^h aħ$-	185
think, to	*$t'^y iŋ$-	274
	**ʕeŋ*-	759
	**man*-	868
think about, to	**saħ*- or **šaħ*-	318
thinness	*$t^h al^y$-*a*	189
this	*$t^h a$- (~ *$t^h ə$-)	184
	**ša*- (~ **šə*-)	342
	*$k^h a$- (~ *$k^h ə$-)	402
	**ʔi*- (~ **ʔe*-)	614
	**ma*- (~ **mə*-)	844
	**na* (~ **nə*), **ni* (~ **ne*)	913
this one	*$d^y i$- (~ *$d^y e$-)	253
thorn	*$t\underline{ɬ}^h ak^{wh}$-*a*	597
	**ʔad^y-a*	618
though	*$k^{wh} ay$-	525
thought	*$t'^y iŋ$-*a*	274
	**saħ-a* or **šaħ-a*	318
	**ʕeŋ-a*	759
thrashing	*$c^h aħ$-*a*	304
thrashing, the act of	*$c^h aħ$-*a*	304
thrive, to	**riy*-	972
throat	*$q^h ar^y$-*a*	573
	**q'el-a*	583
	*$q'^w ur$-*a*	595
	**ħan-g-a*	717

English Meaning	Proto-Nostratic	Number
	*$x^{w}el^{y}$-*a*	780
throng	*ɢam-*a*	558
throw, to	**day-*	159
	**siħ-*	328
	**gud-*	392
	$q'^{w}al$-	590
	ʕam-	751
throw down, to	*$c'ar$-*	309
throwing	*$q'^{w}al$-*a*	590
throwing about, the act of	**siħ-a*	328
thrown about	**siħ-a*	328
thrown aside, that which is	**gud-a*	392
thrown off, that which is	**gud-a*	392
thrust	*$t^{h}al^{y}$-*a*	190
	*$t^{h}ur$-*a*	216
	*$k'^{w}ad$-*a*	532
	*$t\underset{\smile}{ɬ}^{h}ak^{wh}$-*a*	597
	*$t\underset{\smile}{ɬ}'uk^{h}$-*a*	612
thrust, to	*$t^{h}al^{y}$-	190
thrust (in), to	*$t\underset{\smile}{ɬ}'uk^{h}$-	612
thrust in, to	*$t^{h}ur$-	216
thrust into, to	**ʒer-* or **ǯer-*	297
thumb	*$p^{h}al$-*a*	93
thump	**t'uk'-a*	244
	**k'an-a*	472
	**k'ud-a*	495
thunder, clap of	**ɢad-a*	554
	**ɢad-ɢad-a*	554
thunder, to	*$k'^{w}ar^{y}$-	544
thunderstorm	*$k'^{w}ar^{y}$-*a*	544
tickle, to	**ɢit'-*	568
tie	**baʕ-a*	2
	**ban-d-a*	25
	**bin-a*	47
	*$k^{h}ad$-*a*	406
	*$k'a\check{c}^{h}$-*a*	457
	**k'ad-a*	458
	**k'aŋ-a*	473
	*$k^{wh}ir$-*a*	529
	*$t\underset{\smile}{ɬ}'im$-*a*	611
	*rak^{h}-*a*	964
tie (together), to	**ban-V-d-*	25
tie, to	**baʕ-*	2

English Meaning	Proto-Nostratic	Number
	*t'an-	227
	*sak'^{w}-	320
	*ǯal-	332
	*k^{h}ad-	406
	*k'ad-	458
	*yaʔ-	785
	*net'^{y}-	929
	*rak^{h}-	964
tie tightly, to	*ħan-V-g-	717
	*bin-	47
	*k'ar-	481
tie together, to	*bag-	11
	*s^{y}ir-	285
	*c'ur-	314
	*k'ač^{h}-	457
	*k'aŋ-	473
	*k'un-	504
	*k^{wh}ir-	529
tie two things together, to	*k^{h}ol^{y}-	446
tied	*k'ar-a	481
	*t͡ɬ'im-a	611
	*xal-a	769
tied together, that which is	*c'ur-a	314
	*k'ar-a	481
tight	*t^{h}ar-a	195
time	*ʔam-a	630
time, point of	*ʔam-a	630
tip (= point)	*dud-a	171
	*ʒuʒ-a	302
	*gab-a	352
	*gar^{y}-a	374
	*k^{h}ir-a	443
	*q'^{w}ar-a	591
	*ʕam-a	750
	*ʕam-d-a	750
tipsy	*t^{h}ar-a	200
tire, to	*dal^{y}-	150
tire out, to	*t^{yh}um-	263
tired	*bul-a	69
	*dal^{y}-a	150
	*t^{h}an^{y}-a	192
	*mel-a	890
tired, that which is	*bul-a	69

English Meaning	Proto-Nostratic	Number
tired, to be or become	*was^{y}-	819
tired, to become	*bul-	69
	*mel-	890
	*mol-	899
tired, to grow	*$t^{h}an^{y}$-	192
tiredness	*dal^{y}-a	150
to	*$ʔan^{y}$-	635
together	*$k^{h}am$-	415
together with	*bi	46
	*da- (~ *də-)	143
toil	*$k^{h}am$-a	414
toil, to	*$k^{h}am$-	414
tongue	*t'il-a	240
	*$k^{h}il$-a	441
	*las^{y}-a, *lis^{y}-a, *lus^{y}-a	953
tool used to form something	*$t^{h}ik^{h}$-a	206
tool used to make something	*$t^{h}ik^{h}$-a	206
tooth	*q'am-a	579
	*$t\overset{\smile}{ɬ}$'ar-s-a	609
top	*$t^{h}al$-a	188
	*$s^{y}ub$-a	289
	*gab-a	352
	*gub-a	390
	*$k^{h}ir$-a	443
	*ʕam-a	750
	*ʕam-d-a	750
topmost part	*war-a	816
	*mun-a	902
torch	*ʕal-a	748
torment, to	*dar-	153
	*muŋ-	904
torn	*$t'^{y}ar$-a	271
torn-off piece or part	*p'ut'-a	142
torrent	*baʕ-a	1
	*ʒar-a or *ǯar-a	296
	*ħaw-a	730
torrential rain	*ħaw-a	730
torture, to	*muŋ-	904
toss, to	*gud-	392
tossed aside, that which is	*gud-a	392
tossed off, that which is	*gud-a	392
touch	*$t^{h}ak'$-a	187
touch, to	*$t^{h}ak'$-	187

English Meaning	Proto-Nostratic	Number
	*gas^{y}-	375
	*ʔam-	629
touched	*ʔam-a	629
towards	*ʔan^{y}-	635
track	*k'^{w}al-a	535
	*ʔot'-a	679
	*mar-a	880
trade	*wos-a	836
trade, to	*wos-	836
trample, to	*t^{h}ap^{h}-	193
	*t'uk'-	244
tranquil	*rom-a	973
tranquil, to become	*ħam-	714
tranquility	*t'um-a	246
	*ʔan^{y}-a	633
	*ħam-a	714
	*rom-a	973
travel, to	*naʕ-	916
travel on foot, to	*lak^{h}-	949
tree	*t'or^{y}-a	241
	*mar-a	884
tree, a kind of	*d^{y}an-w-a	250
	*wir-a	835
tree, the parts of a	*t'or^{y}-a	241
tree, small	*ǯag^{w}-a	330
tree and its fruit	*ħas^{y}-a	727
tremble, to	*p^{h}at^{h}-	111
	*p^{h}el-	116
	*p^{h}ir-	122
	*t^{h}ar-	201
	*k'al-	465
	*ħat'-	728
	*ħut'-	744
	*naħ-	922
	*n^{y}uk^{h}-	941
trembling	*p^{h}ir-a	122
	*k'al-a	465
	*ħat'-a	728
	*ħut'-a	744
	*n^{y}uk^{h}-a	941
	*rag-a	963
	*raq'-a	968
trembling (from fear, fright)	*t^{h}ar-a	201

English Meaning	Proto-Nostratic	Number
trench	*k^{wh}ar-a	520
	*ʔak^{h}-a	623
tribute	*k^{h}ap'-a	421
trick, to	*mak^{h}-	855
trickery	*mak^{h}-a	855
trickle	*k'^{w}al^{y}-a	536
	*wal-a	801
trickle, to	*k'^{w}al^{y}-	536
trickling	*ʒil-a or *ǯil-a	298
trip	*ɢal-a	555
trouble	*bad-a	7
	*dul-a	173
	*k'ac^{h}-a	456
	*ħag-a	703
	*nad^{y}-a	920
trouble, to be in	*muŋ-	904
trouble, to cause	*muŋ-	904
trouble, to stir up	*dul-	173
troubled, to be	*dal-	149
	*dul-	173
	*ħag-	703
	*mak^{h}-	855
true	*woy-k^{h}-a	839
truncheon	*k'an-a	472
try to find out, to	*saħ- or *šaħ-	318
try to understand, to	*saħ- or *šaħ-	318
tumor	*dar^{y}-a	155
tumult	*gal-a	361
turbidity	*bul-a	67
turmoil	*gal-a	361
turn	*bur-a	72
	*p^{h}ir-a	121
	*dar-a	152
	*wal^{y}-a	804
	*mal-a	865
	*maq^{wh}-a	876
	*law-a	955
	*rak^{h}-a	964
turn, to	*bur-	72
	*p^{h}ir-	121
	*dar-	152
	*c'ur-	314
	*č^{h}ok^{h}-	338

English Meaning	Proto-Nostratic	Number
	*k'ar-	481
	*g^{w}ar-	510
	*hap^{h}-	696
	*ħaw-	732
	*wal^{y}-	804
	*mal-	865
	*maq^{wh}-	876
	*mar-	879
	*mur-	906
	*net'^{y}-	929
	*law-	955
	*rak^{h}-	964
	*rat^{h}-	969
turn around, to	*k^{h}ar-	424
	*ʕor^{y}-	763
turn away, to	*hap^{h}-	696
turn back, to	*hap^{h}-	696
turn gray, (hair) to	*$p^{h}ar^{y}$-	107
turn over, to	*mar-	879
turn round, to	*k'aw-	484
	*maq^{wh}-	876
	*mar-	879
turn together, to	*s^{y}ir-	285
	*k'aŋ-	473
turn upside down, to	*maq^{wh}-	876
turned	*g^{w}ar-a	510
turned away from	*hap^{h}-a	696
turned back	*hap^{h}-a	696
turned together	*dar-a	152
turning	*ʕor^{y}-a	763
	*rat^{h}-a	969
turning, the act of	*$č^{h}ok^{h}$-a	338
	*mar-a	879
turning away, the act of	*hap^{h}-a	696
turning back, the act of	*hap^{h}-a	696
turning over, the act of	*mar-a	879
turning round, the act of	*mar-a	879
turns, that which	*dar-a	152
	*k^{wh}al-a	515
twilight	*rum-a	975
twine	*p^{h}ir-a	121
twine together, to	*k^{wh}ir-	529
twining	*p^{h}ir-a	121

English Meaning	Proto-Nostratic	Number
twining together, the act of	*$k^{wh}ir$-*a*	529
twist	*bur-*a*	72
	*$p^{h}ir$-*a*	121
	*$k^{wh}ir$-*a*	529
	*$ħan$-*a*	716
	*maq^{wh}-*a*	876
	*law-*a*	955
	*rak^{h}-*a*	964
twist, to	*bur-	72
	*$p^{h}ir$-	121
	*dar-	152
	*$t^{h}ak^{h}$-	186
	*$c'ur$-	314
	*$č^{h}ok^{h}$-	338
	*$k^{h}at^{h}$-	432
	*$k'ar$-	481
	*$g^{w}ar$-	510
	*$ɢub$-	569
	*$ħan$-	716
	*$ħaw$-	732
	*mal-	865
	*maq^{wh}-	876
	*mar-	879
	*mur-	906
	*law-	955
	*rak^{h}-	964
twist around, to	*$k^{h}ar$-	424
twist round, to	*$k'aw$-	484
	*$ʕor^{y}$-	763
twist together, to	*bin-	47
	*dar-	152
	*$t^{h}ak^{h}$-	186
	*$s^{y}ir$-	285
	*$k'aŋ$-	473
	*$k^{wh}ir$-	529
	*net'^{y}-	929
twist (together), to	*$ɓan$-*V*-*d*-	25
twisted	*$k^{h}ar$-*a*	424
	*$g^{w}ar$-*a*	510
twisted, that which is	*$k^{h}at^{h}$-*a*	432
	*$ɢub$-*a*	569
twisted, to be	*$t^{h}ak^{h}$-	186
twisted together	*dar-*a*	152

English Meaning	Proto-Nostratic	Number
twisted together, anything	**net'ʸ-a*	929
twisted together, that which is	**c'ur-a*	314
twisting	**ʕorʸ-a*	763
twisting, the act of	**čʰokʰ-a*	338
twisting together, the act of	**kʷʰir-a*	529
twists, that which	**dar-a*	152
two	**yor-a*	790
two halves	**t'uʔʷ-a*	243
two things, any combination of	**kʰolʸ-a*	446
tying	**ʕorʸ-a*	763
udder	**k'ʷan-a*	538
under, that which is	**ħal-a*	710
underpart	**ħal-a*	710
understanding	**saħ-a* or **šaħ-a*	318
	**gal-a*	360
	**ħakʰ-a*	705
uneasiness	**k'al-a*	465
unfruitful	**bar-a*	38
unfruitful, to be or become	**bar-*	38
unguent	**mar-a*	881
union	**gid-a* or **ɢid-a*	381
	**t͡ɬ'im-a*	611
unite, to	**gid-* or **ɢid-*	381
unite together, to	**t͡ɬ'im-*	611
united	**gid-a* or **ɢid-a*	381
united together	**t͡ɬ'im-a*	611
untamed	**guw-a*	400
	**guw-r-a*	400
upon	**ʔanʸ-*	635
	**ʕal-*	747
up	**ʕaŋ-*	753
upper part	**ʕaŋ-a*	753
uppermost part	**war-a*	816
uppermost part (of anything)	**kʰir-a*	443
uproar	**gal-a*	361
	**q'ʷal-a*	588
upset, to	**dul-*	173
upset, to be	**dul-*	173
upward, to go	**xaŋ-*	773
us	**wa-* (~ **wə-*)	791
	**ma* (~ **mə*)	892
	**na* (~ **nə*)	912
used up	**ǯaw-a*	333

English Meaning	Proto-Nostratic	Number
used up, to be	*ǯaw-	333
useless	*bar-a	38
useless, to be or become	*bar-	38
utter, to	*bak^{h}-	16
utterance	*bak^{h}-a	16
vacant, to be	*wel^{y}-	829
valley	*gol-a	389
	*ʕam-a	749
vapor	*duw-a	183
vapor, to give off	*p'ul^{y}-	141
vehicle	*wig-a	832
vein	*s^{y}ir-a	285
vessel (= pot)	*gal-a	359
	*k'ud-a (~ *k'od-a)	496
	*k^{wh}ar-a	521
vex, to	*nad^{y}-	920
vexation	*nad^{y}-a	920
vexed, to be	*ħag-	703
victory	*sag-a or *šag-a	317
	*wel-a	828
view	*ʕen-a	758
view, to come into	*wil^{y}-	833
vigil	*war-a	813
vigor	*wak'-a	796
vile	*p^{h}ul-a	125
violence	*ħal-a	708
violent, to be	*ʔek^{h}-	658
violent movement	*ʔek^{h}-a	658
virility	*g[e]n-d-a	378
visibility	*c'ar-a or *č'ar-a	310
	*gal-a	360
visible	*c'ar-a or *č'ar-a	310
visible, that which is	*xaŋ-a	773
visible, to be or become	*c'ar- or *č'ar-	310
	*gal-	360
voice	*baħ-a	14
vomit	*p^{h}ut^{h}-a	136
	*wam-a	806
vomit, to	*p^{h}ut^{h}-	136
voyage	*ɢal-a	555
wail	*wal-a	799
walk	*k^{wh}al-a	513
	*mar-a	880

English Meaning	Proto-Nostratic	Number
walk, to	**bar-*	37
	**gir^{y}-* or **ɢir^{y}-*	388
	**k^{wh}al-*	513
	**mar-*	880
walking	**bar-a*	37
	**k^{wh}al-a*	513
	**mar-a*	880
wall	**c'ur-a*	314
	**gir-a*	386
wandering	**k^{wh}al-a*	513
wane, to	**t^{h}ar-*	198
want	**bad-a*	8
	**gaʔ-a*	350
	**k'al-a*	463
	**ʔek'-a*	659
	**ħiw-a*, **ħiy-a*	737
want, to be in	**ħiw-*, **ħiy-*	737
wanting	**gaʔ-a*	350
	**k'al-a*	463
wanting, to be	**ʔek'-*	659
warder	**war-a*	813
warm	**p^{h}ek^{wh}-a*	115
	**t'ab-a*	217
	**k^{h}um-a*	452
warm, to	**p^{h}aħ-*	130
	**p^{h}aħ-V-w-*	130
	**dul-*	172
	**t^{h}ep^{h}-*	204
	**s^{y}ax^{w}-*	281
	**k'al-*	464
	**g^{w}ir-*	511
	**wal-*	802
warm, to be	**p^{h}al^{y}-*	95
	**p^{h}ek^{wh}-*	115
warm, to be or become	**t'ab-*	217
	**s^{y}ax^{w}-*	281
	**k^{h}ay-*	439
warm, to make	**t'ab-*	217
	**k^{h}ay-*	439
warm oneself, to	**ʔak^{wh}-*	626
warmth	**p^{h}ek^{wh}-a*	115
	**dul-a*	172
	**t^{h}ep^{h}-a*	204

English Meaning	Proto-Nostratic	Number
	*t’ab-a	217
	*$s^{y}ax^{w}$-a	281
	*k^{h}um-a	452
	*wal-a	802
	*war-a	817
wash, to	*ħal-	709
	*law-	958
washed	*ħal-a	709
washed, that which is	*ʔal-a	627
washing, the act of	*ʔal-a	627
	*ħal-a	709
	*law-a	958
waste	*bad-a	6
waste, to	*bad-	6
waste away, to	*t^{h}aħ-	185
	*$t^{y}h$um-	263
	*k’er-	489
	*wal-	803
	*was^{y}-	820
waste away by rubbing, to	*ħur-	743
wasted	*ǯaw-a	333
	*k’er-a	489
wasted, to become	*ʔeb-	657
wasteland	*bad-a	6
wasting away	*was^{y}-a	820
watch	*war-a	813
watch, to	*guw-	399
	*k^{h}al-	409
	*rak’-	967
watch out for, to	*war-	813
watch (over), to	*$p^{h}in^{y}$-	118
watch over, to	*man-	870
watchfulness	*rak’-a	967
watchman	*war-a	813
	*man-a	870
water	*ham-a	693
	*yam-a	786
	*wet’-a	831
	*maw-a	889
water, (flowing or running)	*ħap^{h}-a	720
water, running	*waǯ-a	826
water, to	*law-	958
watercourse	*ɢal-a	556

English Meaning	Proto-Nostratic	Number
waterfowl	**gaŋ-a*	367
wattle	**ɢub-a*	569
wave	**wel^{y}-a*	830
way (= method)	**ħar-a*	721
way (= path)	**k'^{w}al-a*	535
	**q^{h}ad-a*	570
	**ʔiy-a*	673
	**mar-a*	880
way, winding	**dar-a*	152
we	**wa-* (~ **wə-*)	791
	**ma* (~ **mə*)	892
	**na* (~ **nə*)	912
weak	**bul-a*	69
	**dal^{y}-a*	150
	**gin-a* or **ɢin-a*	384
	**xal-a*	769
	**mel-a*	890
	**nus^{y}-a*	934
weak, that which is	**bul-a*	69
weak, to be	**t^{y}^{h}um-*	263
	**gin-* or **ɢin-*	384
	**ʔek'-*	659
	**wal-*	803
	**nus^{y}-*	934
weak, to become	**bul-*	69
	**t^{y}^{h}um-*	263
	**ʔeb-*	657
	**mel-*	890
	**mol-*	899
weak, to grow	**dow-*, **doy-*	169
weaken, to	**bad-*	9
	**bul-*	69
	**dal^{y}-*	150
	**xal-*	769
weakened	**p^{h}ul-a*	125
	**ʔeb-a*	657
	**mur-a*	905
weakened, to be	**xal-*	769
	**mar^{y}-*	885
	**nus^{y}-*	936
weakness	**bul-a*	69
	**dal^{y}-a*	150
	**ʔeb-a*	657

English Meaning	Proto-Nostratic	Number
	**xal-a*	769
	**wal-a*	803
	**mel-a*	890
	**nus^{y}-a*	936
wealth	**c'al-a* or **č'al-a*	308
	**ħap^{h}-a*	719
	**riy-a*	972
wealthy, to be	**c'al-* or **č'al-*	308
weapon	**ʒer-a* or **ǯer-a*	297
	**wed-a*	827
wear (= abrasion)	**bul-a*	69
	**t^{h}aħ-a*	185
	**t^{h}ar-a*	197
wear away, to	**t^{h}aħ-*	185
wear away by rubbing, to	**ħur-*	743
wear down, to	**bul-*	69
	**t^{h}ar-*	197
	**xal-*	769
wear out, to	**ǯaw-*	333
	**k'er-*	489
	**xal-*	769
	**wal-*	803
	**was^{y}-*	820
	**mel-*	890
	**mol-*	899
wearied (from straining, laboring), to become	**k'ac^{h}-*	456
weariness	**dal^{y}-a*	150
	**dow-a*, **doy-a*	169
	**t^{h}an^{y}-a*	192
	**t^{yh}um-a*	263
	**xal-a*	769
	**was^{y}-a*	819
weary	**dal^{y}-a*	150
	**dow-a*, **doy-a*	169
	**t^{h}an^{y}-a*	192
	**xal-a*	769
	**mel-a*	890
weary, to	**t^{yh}um-*	263
weary, to be	**t^{yh}um-*	263
weary, to be or become	**was^{y}-*	819
weary, to become	**t^{yh}um-*	263
	**mel-*	890

English Meaning	Proto-Nostratic	Number
	**mol-*	899
weary, to grow	**dow-*, **doy-*	169
	**t^han^y-*	192
weave, to	**t'an-*	227
	**k^hat^h-*	432
	**ħaw-*	732
	**net'^{y}-*	929
weaving	**ʕor^y-a*	763
	**net'^{y}-a*	929
weaving, the act of	**ħaw-a*	732
web	**net'^{y}-a*	929
wedge	**t'ul^y-a*	245
weep, to	**k'um-*	500
weighed down, to be	**ħag-*	703
weight	**k'^{w}ur^y-a*	553
weighty	**k'^{w}ur^y-a*	553
weighty, to be	**k'^{w}ur^y-*	553
welfare	**s^{y}ol-a*	287
well	**s^{y}ol-a*	287
well, to be	**s^{y}ol-*	287
	**s^{y}uw-*	291
well, to do	**c'al-* or **č'al-*	308
well up, to	**ɓal-*	19
	**ʔib-*	666
	**wel^y-*	830
wet	**šuw-a*	349
	**šuw-l-a*	349
	**wal-a*	801
	**mat'-a*	888
	**nat'-a*	927
wet, to	**t'al^y-*	224
	**wal-*	801
	**wet'-*	831
	**nat'-*	927
	**laħ-*	946
	**rek'-*	971
wet, to be	**šuw-*	349
	**šuw-V-l-*	349
	**maw-*	889
wet, to be or become	**mat'-*	888
wet, to make	**šuw-*	349
	**šuw-V-l-*	349
wetness	**wal-a*	801

English Meaning	Proto-Nostratic	Number
	**mat'-a*	888
	**nat'-a*	927
	**laħ-a*	946
what [relative pronoun stem]	**ʔay-*, **ʔya-*	651
	**ma-* (~ **mə-*)	891
what? [interrogative pronoun stem]	**ʔay-*, **ʔya-*	651
	**mi-* (~ **me-*)	891
what?, to do	**ʔay-*	650
what manner?, to act in	**ʔay-*	650
when	**k^{wh}ay-*	525
whet, to	**ʒag-*	294
which [relative pronoun stem]	**ʔay-*, **ʔya-*	651
	**ma-* (~ **mə-*)	891
which? [interrogative pronoun stem]	**ʔay-*, **ʔya-*	651
	**mi-* (~ **me-*)	891
whirl	**bur-a*	75
whirl, to	**bur-*	75
	**mar-*	879
whisper	**k'^{w}as-a*	546
whisper, to	**k'^{w}as-*	546
white	**wal^{y}-a*	805
whiteness	**wal^{y}-a*	805
who [relative pronoun stem]	**ʔay-*, **ʔya-*	651
	**ma-* (~ **mə-*)	891
who? [interrogative pronoun stem]	**ʔay-*, **ʔya-*	651
	**mi-* (~ **me-*)	891
wicked, to be	**ʔak^{h}-*	622
wickedness	**t'^{y}aw-a*	273
	**ʔak^{h}-a*	622
(wide)	**t^{h}al^{y}-a*	189
wide	**p^{h}al-a*	89
	**p^{h}at^{h}-a*	112
	**t^{h}an^{y}-a*	191
	**ʔut'-a*	686
	**war-a*	815
	**raw-ħ-a*	970
wide-open space	**ʔut'-a*	686
	**ħak'-a*	706
wide, that which is	**p^{h}al-a*	89
wide, to be	**raw-V-ħ-*	970
widen, to	**ħak'-*	706
width	**p^{h}ar-a*	100
	**t^{h}an^{y}-a*	191

English Meaning	Proto-Nostratic	Number
	**war-a*	815
wife	**k'^{w}an-a*	539
	**nus^{y}-a*	935
wild	**guw-a*	400
	**guw-r-a*	400
wild animal	**guw-a*	400
	**guw-r-a*	400
wild animals, to hunt	**guw-*	400
	**guw-V-r-*	400
wild beast	**guw-a*	400
	**guw-r-a*	400
wild boar	**s^{y}aw-a*	280
wild bovine	**t^{y}^{h}om-a*	262
wild fowl	**ɢar^{y}-a*	563
	**ɢar^{y}-ɢar^{y}-a*	563
wild goose	**ɢar^{y}-a*	563
	**ɢar^{y}-ɢar^{y}-a*	563
wild, to be	**ʔek^{h}-*	658
	**xam-*	771
	**xam-V-d-*	771
wind (= breeze)	**bar-a*	28
wind, to	**č^{h}ok^{h}-*	338
	**k'ar-*	481
	**g^{w}ar-*	510
wind around, to	**k^{h}ar-*	424
winding couse or way	**dar-a*	152
winding, the act of	**č^{h}ok^{h}-a*	338
winds, that which	**dar-a*	152
wipe, to	**mal-*	863
	**mel-*	890
	**mol-*	899
wiped out	**ʔeb-a*	657
wiped out, to become	**ʔeb-*	657
wiping, the act of	**mal-a*	863
wisdom	**ħak^{h}-a*	705
wish	**t'el-a*	237
	**win-a* or **wiŋ-a*	834
wish for, to	**win-* or **wiŋ-*	834
with	**bi*	46
	**ħar^{y}-*	725
	**mat^{h}-* or **met^{h}-*	886
wither, to	**t^{h}ar-*	198
	**ʒaʔ-*	329

English Meaning	Proto-Nostratic	Number
	**k'er-*	489
	**wal-*	803
	**was^{y}-*	820
wither away, to	**mar^{y}-*	885
withered	**t^{h}ar-a*	198
	**s^{y}aw-a*	278
	**c'aw-a*	311
	**c'aw-l^{y}-a*	311
	**k'er-a*	489
withered, to be	**s^{y}aw-*	278
withered, to be or become	**c'aw-*	311
	**c'aw-V-l^{y}-*	311
withered, that which is	**c'aw-a*	311
	**c'aw-l^{y}-a*	311
woe!	**way*	825
woman	**k'^{w}an-a*	539
	**nat'-a*	926
	**nus^{y}-a*	935
woman, (older)	**ʔema*	661
woman, old	**p'ap'-a*	139
womb	**wat'^{y}-a*	824
wood	**mar-a*	884
wood of the poplar	**t'^{y}ar-a*	270
wool	**bur-a*	78
word	**yan-a*	787
work	**daw-a*	157
	**k^{h}am-a*	414
	**k^{wh}ir-a*	529
work, hard	**q^{h}ad-a*	570
work, to	**k^{h}am-*	414
worm	**k^{wh}ur-a*	531
worn down	**mol-a*	899
worn down, to be	**xal-*	769
worn out	**bul-a*	69
	**t^{h}ar-a*	197
	**ǯaw-a*	333
	**k'er-a*	489
	**xal-a*	769
	**mel-a*	890
	**mol-a*	899
worn out, that which is	**bul-a*	69
worn out, to be	**xal-*	769
	**wal-*	803

English Meaning	Proto-Nostratic	Number
worn out, to become	*bul-	69
	*was^{y}-	819
	*mel-	890
	*mol-	899
wound	*ban-a	24
	*t^{h}ar-a	196
	*q^{h}al-a	571
	*waħ-a	795
	*waŋ-a	811
	*wed-a	827
	*mir-a	898
	*nag-a	921
	*nik^{h}-a	931
wound, to	*dal-	148
	*g^{w}an-	508
	*q^{h}al-	571
	*q'^{w}al-	589
	*waħ-	795
	*waŋ-	811
	*mir-	898
woven, anything	*t'an-a	227
	*net'^{y}-a	929
woven, that which is	*k^{h}at^{h}-a	432
wrangle (over), to	*bur-	73
wrap, to	*k^{h}ad-	405
	*g^{w}ar-	510
wrap together, to	*dar-	152
	*k'ač^{h}-	457
wrap up, to	*bur-	77
	*c'ur-	314
wrapped together	*dar-a	152
wrapped together, that which is	*c'ur-a	314
wrapping	*c'ur-a	314
	*k'ač^{h}-a	457
wrath	*q^{h}at^{h}-a	574
wreath	*k'aŋ-a	473
wrestle, to	*bur-	73
wrinkle	*k'un-a	504
wrist	*gam-a	365
yawn	*haŋ-a	695
yawn, to	*haŋ-	695
year	*wat^{h}-a	822
yelp, to	*k^{h}at^{h}-	435

English Meaning	Proto-Nostratic	Number
yelping	*k^hat^h-*a*	435
yield, to	*ʔeb-*	657
you	*t^hi- (~ *t^he-)	205
	*si- (~ *se-)	325
	*ni (~ *ne) and/or *na (~ *nə)	930
you [oblique]	*t^ha- (~ *$t^hə$-)	205
young	*gin-a or *ʁin-a	384
	*k'an-a	469
	*ʔax-a	620
	*γil-a	783
	*yaw-a	788
	*mag-a	852
young (especially of animals)	*k^huwan-a or *k^hun-a	454
young (of humans and animals)	*man-a	867
young, to be	*gin- or *ʁin-	384
	*ʔax-	620
young, to produce	*yaw-	788
young dog	*k^huwan-a or *k^hun-a	454
young goat	*gad-a	356
(young) man	*mar-a	878
young man	*ʔax-a	620
	*n^yaʕ-r-a	938
young of an animal	*ʕig-a	761
young one	*gin-a or *ʁin-a	384
	*n^yap^h-a	940
young person	*γil-a	783
	*yaw-a	788
	*mag-a	852
younger brother	*bin-a, *ban-a	48
	*ʔax-a	620
younger daughter	*bin-a, *ban-a	48
younger relative	*bin-a, *ban-a	48
younger relative (male or female)	*ʔina or *ʔiŋa	671
younger sister	*bin-a, *ban-a	48
younger son	*bin-a, *ban-a	48
youth	*gin-a or *ʁin-a	384
	*ʔax-a	620
	*γil-a	783
	*yaw-a	788
	*n^yaʕ-r-a	938
youthful, to be	*ʔax-	620

INDO-EUROPEAN STEMS
WITH A NOSTRATIC ETYMOLOGY

This index lists all of the Proto-Indo-European stems with a Nostratic etymology cited in Part 3, Comparative Vocabulary (Volumes 2 and 3). They are listed in the order in which they appear there.

PROTO-NOSTRATIC *b > PROTO-INDO-EUROPEAN *b^h

1. *b^hab^ha- ‘father’ (Anatolian only) < Proto-Nostratic (n.) *_baba_ ‘father’ (nursery word) (no 3).

2. *$b^h\bar{a}b^ho$- ‘babe, child’ < Proto-Nostratic (n.) *_baaba_ ‘child, babe’ (nursery word) (no. 4).

3. *b^hed^h-/*b^hod^h- ‘to prick, to pierce, to dig’ < Proto-Nostratic (vb.) *_bad_- ‘to split, to cleave, to separate, to divide’; (n.) *_bad-a_ ‘split, crack, breach, opening’ (no. 5).

4. *b^hed^h-/*b^hod^h- (lengthened-grade forms: *$b^h\bar{e}d^h$-/*$b^h\bar{o}d^h$-) ‘(vb.) to press, to force, to drive away, to repel, to remove; to force asunder; to harass, to pain, to trouble, to grieve, to vex; to suffer annoyance or oppression; (n.) trouble, distress, suffering, oppression’ < Proto-Nostratic (vb.) *_bad_- ‘to occur, to happen, to experience, to endure; to cause to endure, to make to suffer, to oppress’; (n.) *_bad-a_ ‘experience, happening, trouble, distress, suffering, oppression’ (no. 7).

5. *b^hod^h- ‘pang, pain’ (Baltic only) < Proto-Nostratic (n.) *_bad-a_ ‘need, want, lack, deprivation’ (> ‘hunger’) (no. 8).

6. *b^hed^h-_yo_- ‘sleeping place’ (Germanic only) < Proto-Nostratic (vb.) *_bad_- ‘to fall down, to lie down; to decay, to weaken; to perish’; (n.) *_bad-a_ ‘lying down, fall, sleep, ruin’ (no. 9).

7. *b^hag^h- ‘ram’ (Germanic only) < Proto-Nostratic (n.) *_bag-a_ ‘goat, sheep’ (no. 11).

8. *b^hag^h- ‘bundle, pack’ (Germanic only) < Proto-Nostratic (vb.) *_bag_- ‘to tie or bind together’; (n.) *_bag-a_ ‘collection of things bound together: bunch, bundle, pack’ (no. 12).

9. *b^heh- [*b^hah-]/*b^hoh- (> *b^hā-/*b^hō-) ‘to be bright, shining; to bring to light, to cause to appear; to make clear’ < Proto-Nostratic (vb.) *bah- ‘to shine’; (n.) *bah-a ‘brilliance, brightness, splendor, beauty; light’; (adj.) ‘shining, bright, radiant’ (no. 13).

10. *b^heh̯h- [*b^hah̯h-]/*b^hoh̯h- (> *b^hā-/*b^hō-) ‘to say, to speak’ < Proto-Nostratic (vb.) *baħ- ‘to make noise’; (n.) *baħ-a ‘noise, sound; voice’ (no. 14).

11. *b^heh̯h-w/u- [*b^hah̯h-w/u-] (> *b^hă̄w/u-) ‘to beat, to strike’ < Proto-Nostratic (vb.) *baħ- ‘to cut, to cut off, to strike’; (n.) *baħ-a ‘cut, strike, blow’ (no. 15).

12. *b^hek’-/*b^hok’- ‘to cut or split apart, to break apart’, (with nasal infix) *b^henk’-/*b^honk’- and *b^hak’- ‘to divide, to distribute’< Proto-Nostratic (vb.) *bak’- ‘to cleave, to split, to break open’; (n.) *bak’-a ‘crack, split, break’ (no. 17).

13. *b^hlend^h-/*b^hlond^h-/*b^hl̥nd^h- ‘to make blind, to be blind’ < Proto-Nostratic (vb.) *bal- ‘to be or become dark, obscure, blind’; (n.) *bal-a ‘darkness, obscurity, blindness’; (adj.) ‘dark, obscure, blind’ (no. 18).

14. *b^hl-ew-/*b^hl-ow-/*b^hl-u- ‘to overflow, to pour over, to flow’ and *b^hl-ey-t’-/*b^hl-oy-t’-/*b^hl-i-t’- ‘to swell up, to overflow’ < Proto-Nostratic (vb.)*bal- ‘to well up, to surge, to overflow, to pour over’; (n.) *bal-a ‘outpour, downpour, surge, flow’ (no. 19).

15. *b^hel-/*b^hol- ‘shining, white’; *b^hles-/*b^hlos- ‘to shine’; *b^hliyC-/*b^hleyC- (> *b^hlīC-/*b^hlēC-; *b^hliyV-/*b^hleyV-) ‘to shine’; *b^hlu-, *b^hluH- (> *b^hlū-) ‘to shine’; and *b^hlek’-/*b^hlok’-/*b^hl̥k’-, *b^helk’-/*b^holk’-/*b^hl̥k’- ‘to shine’ < Proto-Nostratic (vb.) *bal- ‘to shine, to be bright’; (n.) *bal-a ‘glitter, gleam, brightness’ (no. 21).

16. *b^han- ‘a drop’ (Celtic only) < Proto-Nostratic (vb.) *ban- ‘to pour, to sprinkle, to drip’; (n.) *ban-a ‘a drop (of water, rain, dew, etc.)’ (no. 22).

17. *b^han-o-, *b^han-yo- ‘wound’ (Germanic only) < Proto-Nostratic (Eurasiatic only) (vb.) *ban- ‘to cut, to strike’; (n.) *ban-a ‘cut, wound’ (no. 24).

18. *b^hend^h-/*b^hond^h-/*b^hn̥d^h- ‘to tie, to bind, to join, to unite’ < Proto-Nostratic (vb.) *ban-V-d- ‘to tie (together), to fasten, to twist together, to bind (together)’; (n.) *ban-d-a ‘tie, bond’ (no. 25).

19. *b^her-/*b^hor-/*b^hr̥- (also *b^har-) ‘to swell, to puff up, to expand, to bristle’, *b^hr̥st^{h}i-s ‘bristle, point’, *b^hrews-/*b^hrows-/*b^hrus- ‘(vb.) to swell; (n.) swelling’; *b^hard^{h}eA (> *b^hard^{h}ā) ‘beard’; *b^herw-/*b^horw-/*b^hr̥w-, *b^hrew-

/*b^h*row-*/*b^h*ru-* ‘to boil, to bubble up’; *b^h*rend^h-*/*b^h*rond^h-*/*b^h*rn̥d^h-* ‘to swell up’; and *b^h*rew-*/*b^h*ru-* ‘to sprout, to swell’ < Proto-Nostratic (vb.) **bar-* ‘to swell, to puff up, to expand’; (n.) **bar-a* ‘swelling, bulge, increase’ (no. 26).

20. *b^h*er-*/*b^h*or-*/*b^h*r̥-* (also *b^h*ar-*) ‘to bristle (up)’, *b^h*r̥st^{h}i-s* ‘bristle, point’ < Proto-Nostratic (vb.) **bar-* ‘to bristle (up), to stand on end’; (n.) **bar-a* ‘bristle, point, spike’ (no. 27).

21. *b^h*r̥s-* ‘shaggy, coarse, rough, prickly’ < Proto-Nostratic (vb.) **bar-* ‘to be thick, bushy, shaggy; to be coarse, rough, harsh’; (n.) **bar-a* ‘roughness, coarseness, harshness; thickness, shagginess’; (adj.) ‘rough, harsh, coarse; thick, shaggy, bushy’ (no. 29).

22. *b^h*er-*/*b^h*or-*/*b^h*r̥-* ‘to bear, to carry; to bring forth, to bear children’, *b^h*er-no-s*/*b^h*or-no-s* ‘son, child’ < Proto-Nostratic (vb.) **bar-* ‘to bear children, to give birth’; (n.) **bar-a* ‘child’ (no. 30).

23. *b^h*ar(s)-* ‘grain’ (> ‘barley’) < Proto-Nostratic (n.) **bar-a* ‘seed, grain’ (no. 32).

24. *b^h*erEk’-*, *b^h*reEk’-* (> *b^h*rēk’-*) ‘to shine, to gleam, to be bright’ and *b^h*rek^h-* ‘to shine, to glitter’ < Proto-Nostratic (vb.) **bar-* ‘to shine, to be bright, to sparkle, to flash’; (n.) **bar-a* ‘light, brightness; lightning’ (no. 33).

25. *b^h*er-*/*b^h*or-*/*b^h*r̥-* ‘to be kind, charitable, beneficent; to do good’ < Proto-Nostratic (vb.) **bar-* ‘to be kind, charitable, beneficent; to do good’; (n.) **bar-a* ‘goodness, kindness’; (adj.) ‘good, kind, beneficent’ (no. 34).

26. *b^h*er-*/*b^h*or-*/*b^h*r̥-* ‘to strike, to smite, to beat, to knock, to cut, to thrust, to hit; to kill by striking, to give a death blow, to slay’; *b^h*ord^h-*/*b^h*r̥d^h-*, *b^h*red^h-* ‘(piece) cut off’; *b^h*r-ew-*/*b^h*r-ow-*/*b^h*r-u-* ‘to break into pieces, to cut or break off’’; *b^h*r-ew-s-*/*b^h*r-ow-s-*/*b^h*r-u-s-* ‘to cut or break into pieces; to smash, to crush, to crumble, to shatter’; *b^h*reyH-*, *b^h*riH-* (> *b^h*rī-*) ‘to cut, to clip, to scrape’; and *b^h*er-s-*/*b^h*or-s-*/*b^h*r̥-s-* *b^h*r-es-*/*b^h*r-os-*/*b^h*r̥-s-* ‘to split into parts; to break, to divide’ < Proto-Nostratic (vb.) **bar-* ‘’to split (with a tool or weapon); to cut, to cut into; to carve; to scrape’; (n.) **bar-a* ‘carving, engraving, cuttings, chip’ (no. 35).

27. *b^h*er-*/*b^h*or-*/*b^h*r̥-* ‘to make a sound, to hum, to buzz, to mutter’; *b^h*erk’-*/*b^h*ork’-*/*b^h*r̥k’-* ‘to drone, to bark’; and *b^h*erm-*/*b^h*orm-*/*b^h*r̥m-*, *b^h*rem-*/*b^h*rom-*/*b^h*r̥m-* ‘to buzz, to hum, to make a sound’ < Proto-Nostratic (vb.) **bar-* ‘to make a sound, to utter a noise’; (n.) **bar-a* ‘sound, noise’ (no. 36).

28. *b^hewd^h-/*b^howd^h-/*b^hud^h- ‘to be or become aware of’ < Proto-Nostratic (vb.) *baw- ‘to be or become aware of or acquainted with, to observe, to notice’; (n.) *baw-a ‘awareness, knowledge’ (no. 39).

29. *b^hey-/*b^hoy-/*b^hi- ‘to give, to share’ (Anatolian only in this sense) < Proto-Nostratic (vb.) *bay- ‘to apportion, to divide into shares, to distribute, to allot, to share’; (n.) *bay-a ‘portion, share’ (no. 40).

30. *b^hey-/*b^hoy-/*b^hi- ‘honey, bee’ < Proto-Nostratic (n.) *bay-a ‘honey, bee’ (no. 41).

31. *$b^h\bar{o}r$- ‘swamp’ (Slavic only) < Proto-Nostratic (n.) *ber-a ‘swamp’ (no. 43).

32. *(-)b^hi/y-, *-b^ho- ‘in, with, within, among’ < Proto-Nostratic *bi ‘in addition to, with, together with’ (no. 46).

33. *b^herg^h-/*b^horg^h-/*$b^h\r{g}^h$- ‘(adj.) high, tall; (n.) mountain, hill’ < Proto-Nostratic (vb.) *bir- ‘to swell, to rise, to grow’; (n.) *bir-a ‘largeness, greatness, height, tallness’; (adj.) ‘big, large, great, tall’; (extended form) (vb.) *bir-V-g- ‘to be high’; (n.) *bir-g-a ‘height, high place’; (adj.) ‘high, tall, lofty’ (no. 49).

34. *b^hr-uH-k’- (> *$b^hr\bar{u}k$’-) ‘(vb.) to enjoy, to use; (n.) fruit’ < Proto-Nostratic (vb.) *bir^y- ‘to enjoy, to savor’; (n.) *bir^y-a ‘fruit’; (extended form) *bir^y-q’-a ‘plum’ (no. 52).

35. *b^hor-, *b^hru- (secondary *e*-grade form: *b^her-) ‘brown’ (< ‘dark-colored’), (reduplicated) *b^he-b^hru- < Proto-Nostratic (n.) *bor^y-a ‘a dark color’; (adj.) ‘dark, dark-colored’ (no. 56).

36. b^hud^h- with various extensions: *b^hud^h-no-, *b^hud^h-mo- *b^hud^h-men-, (nasal infix) *b^hu-n-d^h- ‘bottom, ground, base, depth, lowest part of anything’ < Proto-Nostratic (n.) *bud-a ‘lowest part or region (of anything)’ (no. 58).

37. *b^huk’- ‘buck, he-goat’ < Proto-Nostratic (n.) *buk’-a (~ *bok’-a) ‘male of small, hoofed animals: he-goat, buck’ (no. 62).

38. *b^hl-eE-/*b^hl-oE- (> *$b^hl\bar{e}$-/*$b^hl\bar{o}$-) ‘to puff up, to inflate, to blow up’; *b^hel-g^h-/*b^hol-g^h-/*$b^h\r{l}$-g^h- ‘to swell’; and *b^hl-ek’^{w}-/*$b^h\r{l}$-k’^{w}- ‘to swell, to expand’ < Proto-Nostratic (vb.) *bul- ‘to swell, to expand, to spread out, to overflow; to puff up, to inflate’; (n.) *bul-a ‘large quantity or amount; expansion, spread, inflation; puff, blow’ (no. 63).

39. *$b^h\r{l}$- (secondary full-grade forms: *b^hel-/*b^hol-) ‘penis, testicle’ < Proto-Nostratic (n.) *bul-a ‘penis, testicle(s)’ (no. 64).

40. *$b^hul\underset{\smile}{\S h}$-/*$b^hol\underset{\smile}{\S h}$-, *$b^hlo\underset{\smile}{\S h}$- (> *$b^hl\bar{o}$-; later also *$b^hl\bar{e}$-) ‘to blossom, to sprout’ < Proto-Nostratic (vb.) *bul-V-γ- ‘to ripen, to blossom, to bloom, to sprout, to mature’; (n.) *bul-γ-a ‘increase, growth, ripening, maturity, prosperity, blossoming’ (no. 65).

41. *b^humb^hul-, *b^homb^hol- ‘puff, bubble, bulge, swelling’ < Proto-Nostratic (reduplicated) (vb.) *bul-bul- (> *bum-bul- in Dravidian, Kartvelian, Indo-European, and Altaic) ‘to swell, to bubble up’; (n.) *bul-bul-a (> *bum-bul-a) ‘puff, bubble, swelling’ (no. 66).

42. *b^hl-en-d^h-/*b^hl-on-d^h-/*b^hl-η-d^h- ‘to mix, to blend, to stir, to confuse’ < Proto-Nostratic (vb.) *bul- ‘to mix, to mix up, to confuse’; (n.) *bul-a ‘mixture, confusion, turbidity, blur’ (no. 67).

43. *b^hl-en-d^h-/*b^hl-on-d^h-/*b^hl-η-d^h- ‘mixed or dark colored’ < Proto-Nostratic (n.) *bul-a ‘that which is dark, dark-colored; that which has mixed colors, that which is spotted’ (no. 68).

44. *b^hol- ‘(adj.) worn out, weak; (n.) misfortune, calamity’ < Proto-Nostratic (vb.) *bul- ‘to crush, to grind, to weaken, to wear down; to become worn out, weak, tired, old’; (n.) *bul-a ‘that which is worn out, weak, tired: weakness, decline, decay, wear, etc.’; (adj.) ‘worn out, weak, tired, old’ (no. 69).

45. *b^hong^h-/*$b^h\eta g^h$- (secondary full-grade form: *b^heng^h-) ‘to swell, to fatten, to grow, to increase’, *$b^h\eta g^hu$- ‘swollen, fat, thick’ < Proto-Nostratic (vb.) *bun- ‘to puff up, to inflate, to expand, to swell’; (n.) *bun-a ‘swelling, lump, hump, growth, rounded protuberance’; (extended form) (vb.) *bun-V-g- ‘to swell, to increase, to expand’; (n.) *bun-g-a ‘swelling’; (adj.) ‘swollen, fat, thick’ (no. 70).

46. *b^hor-/*$b^hr̥$- ‘to bore, to pierce’ < Proto-Nostratic (vb.) *bur- ‘to bore, to pierce’; (n.) *bur-a ‘gimlet, borer, auger’ (no. 74).

47. *b^hur-/*$b^hr̥$- ‘to move rapidly, to rage, to quiver, to palpitate’ < Proto-Nostratic (vb.) *bur- ‘to blow, to blow about, to whirl, to rage’; (n.) *bur-a ‘storm, whirl, rage’ (75).

48. *b^hor-/*$b^hr̥$- ‘to chew, to devour’ (Indo-Iranian only) < Proto-Nostratic (vb.) *bur- ‘to bite, to eat’; (n.) *bur-a ‘food’ (no. 76).

49. *b^hr-uH- (> *$b^hr\bar{u}$-) ‘eyelash, eyebrow’ < Proto-Nostratic (n.) *bur-a ‘eyelash, eyebrow’ (no. 79).

50. *b^hewH-/*b^howH-/*b^huH- (> *b^hū-) ‘to spend (time), to abide, to dwell’ < Proto-Nostratic (vb.) *buw- ‘to go, to come, to proceed, to spend time’; (n.) *buw-a ‘going, coming, staying; abode, dwelling, residence’ (no. 80).

51. *b^hewH-/*b^howH-/*b^huH- (> *b^hū-) ‘to become, to arise, to come into being, to grow’ < Proto-Nostratic (vb.) *buw- ‘to become, to arise, to come into being, to grow’; (n.)*buw-a ‘growth, fullness, prosperity; blossom, bloom’ (no. 81).

PROTO-NOSTRATIC *p^h (> PROTO-AFRASIAN *p) > PROTO-INDO-EUROPEAN *p^h

52. *p^heḫ- [*p^haḫ-]/*p^hoḫ- (> *p^hā-/*p^hō-) ‘to feed’ < Proto-Nostratic (vb.) *p^haḫ- ‘to eat’; (n.) *p^haḫ-a ‘food, nourishment’ (no. 84).

53. *(s)p^hel-, *(s)p^hl̥- ‘spleen’ (plus various extensions: *(s)p^hel-g^h-, *(s)p^hel-g^h-en-, *(s)p^hel-g^h-eA, *(s)p^hl-eH-g^h-, *(s)p^hl̥-n-g^h-, etc.) < Proto-Nostratic (n.) *p^hal-a (metathesized variant *lap^h-a in Uralic, Altaic, and part of Afrasian) ‘spleen’ (no. 86).

54. *(s)p^hel-/*(s)p^hol-/*(s)p^hl̥-, *(s)p^hl- (plus various extensions) ‘to split, to cleave’ < Proto-Nostratic (vb.) *p^hal- ‘to split, to cleave’; (n.) *p^hal-a ‘split, crack’ (no. 87).

55. *p^hels-/*p^hols-/*p^hl̥s- ‘stone’ < Proto-Nostratic (n.) *p^hal-a ‘stone’ (no. 88).

56. *p^hel-/*p^hol-/*p^hl̥-; *p^helḫ-, *p^hleḫ- [*p^hlaḫ-] (> *p^hlā-), *p^hl̥ḫ- ‘level, flat, wide, broad’ < Proto-Nostratic (vb.) *p^hal- ‘to spread, to extend’; (n.) *p^hal-a ‘that which is wide, flat, level, broad, open: expanse, open space or surface’; (adj.) ‘wide, flat, level, broad, open’ (no. 89).

57. *p^hl̥ḫ-meA [*p^hl̥ḫ-maA] ‘palm of the hand’ < Proto-Nostratic (n.) *p^hal-a ‘flat of the hand, palm’ (no. 90).

58. *p^helʔ-/*p^holʔ-/*p^hl̥ʔ-, *p^hleʔ-/*p^hloʔ- (> *p^hlē-/*p^hlō-) ‘to fill’ < Proto-Nostratic (vb.) *p^hal- ‘to fill’; (n.) *p^hal-a ‘fullness’; (adj.) ‘much, many’ (no. 91).

59. *p^hl̥H- ‘fortified settlement’ < Proto-Nostratic (n.) *p^hal-a ‘settlement, settled place’ (no. 92).

60. *p^hol-, *p^hōl- ‘thumb, big toe’ < Proto-Nostratic (n.) *p^hal-a ‘thumb, big toe’ (no. 93).

61. *p^hel-/*p^hol-/*p^hl̥- ‘to cover, to hide, to conceal’ < Proto-Nostratic (vb.) *p^hal- ‘to cover, to hide, to conceal’; (n.) *p^hal-a ‘covering’ (no. 94).

62. *p^hel-/*p^hol-, *p^hl-oH- (> *p^hl-ō-) ‘to burn, to be warm; to smart, to be painful’ < Proto-Nostratic (vb.) *p^hal^y- ‘to burn, to be warm; to smart, to be painful’; (n.) *p^hal^y-a ‘burn, burning sensation, pain’ (no. 95).

63. *p^henk^{wh}e ‘five’; *p^hn̥k^{wh}-st^{h}i- ‘fist’; *p^henk^{wh}-ró- ‘finger’ < Proto-Nostratic (vb.) *p^haŋ- ‘to take in hand, to take hold of, to handle’; (n.) *p^haŋ-a ‘hand, handle’; (extended form in Indo-European and Uralic) (vb.) *p^haŋ-V-k^{wh}- ‘to take in hand, to take hold of, to handle’; (n.) *p^haŋ-k^{wh}-a ‘hand, handle’ (no. 96).

64. *p^hreyH-/*p^hroyH-/*p^hriH- (> *p^hrī-) ‘to be fond of, to care for, to feel affection for; to be pleased, happy, satisfied, or delighted with’ < Proto-Nostratic (vb.)*p^har- ‘to be fond of, to care for, to feel affection for; to be pleased, happy, satisfied, or delighted with’; (n.) *p^har-a ‘love, affection; delight, joy’ (no. 98).

65. *p^her-/*p^hor-/*p^hr̥- ‘to separate, to divide’ < Proto-Nostratic (vb.) *p^har- ‘to separate, to divide, to break (apart)’; (n.) *p^har-a ‘part, portion, share’ (no. 99).

66. *p^her-/*p^hor-/*p^hr̥- ‘to spray, to sprinkle, to scatter’ (extended forms: *p^her-s-/*p^hor-s-/*p^hr̥-s-, *p^hr-ew-/*p^hr-ow-/*p^hr-u-, *p^hr-eE- [> *p^hr-ē-]); *p^herk^h-/*p^hrok^h-/*p^hr̥k^h- ‘spotted, speckled’; and *(s)p^her-/*(s)p^hor-/*(s)p^hr̥- ‘to spread, to scatter, to strew’ < Proto-Nostratic (vb.) *p^har- ‘to spread, to scatter’; (n.) *p^har-a ‘breadth, width, extension, space’; (adj.) ‘broad, spread out, extended, scattered’ (no. 100).

67. *p^her-/*p^hor-/*p^hr̥- base of prepositions and preverbs with a wide range of meanings such as ‘in front of, forward, before, first, chief, forth, foremost, beyond’ < Proto-Nostratic (vb.) *p^har- ‘to press forward, to precede, to hasten in advance, to overtake, to surpass, to outstrip’; (n.) *p^har-a ‘leader, master, lord, hero’; (adj.) ‘chief, foremost, first’ (no. 101).

68. *p^her-/*p^hor-/*p^hr̥- ‘(vb.) to fly, to flee; (n.) feather, wing’ < Proto-Nostratic (vb.) *p^har- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’; (n.) *p^har-a ‘flying, flight, fleeing’ (no. 102).

69. *p^hor-/*p^hr̥- ‘young bull or calf’ < Proto-Nostratic (n.) *p^har-a ‘calf, heifer’ (no. 103).

70. *p^hēr (nom.-acc. sg.) ‘house’, (oblique cases) *p^hr̥-n- (Anatolian only) < Proto-Nostratic (n.) *p^har-a, (?) *p^hur-a ‘house’ (no. 104).

71. *p^her-/*p^hor-/*p^hr̥- ‘to go or pass; to go or pass over or across; to go forth or out’ < Proto-Nostratic (vb.) *p^har- ‘to go or pass; to go or pass over or across; to go forth or out’; (n.) *p^har-*a* ‘going, passage, journey, crossing’ (no. 105).

72. *p^hes-t’-/*p^hos-t’- ‘to fart’ < Proto-Nostratic (vb.) *p^has^y- ‘to breathe out, to blow; to fart’; (n.) *p^has^y-*a* ‘a fart’ (no. 108).

73. *p^hes-/*p^hos- ‘penis’ < Proto-Nostratic (n.) *p^has^y-*a* ‘sperm, semen; male genitals, penis; descendant, offspring’ (no. 110).

74. *p^het^h-/*p^hot^h- ‘to fly, to rush, to pursue; to fall, to fall down’ < Proto-Nostratic (vb.) *p^hat^h- ‘to flutter, to quiver, to tremble, to palpitate, to move rapidly’; (n.) *p^hat^h-*a* ‘haste, hurry’ (no. 111).

75. *p^het^h- (secondary *o*-grade form: *p^hot^h-) ‘to be wide, open, spacious, spread out; to stretch, to extend, to spread out’ < Proto-Nostratic (vb.) *p^hat^h- ‘to spread, to open; to burst open; to be open’; (n.) *p^hat^h-*a* ‘opening, open space’; (adj.) ‘open, spacious; wide, broad’ (no. 112).

76. *p^het’-/*p^hot’- ‘foot’ < Proto-Nostratic (vb.) *p^hat’- ‘to hasten, to move quickly’; (n.) *p^hat’-*a* ‘foot’ (no. 113).

77. *p^hek^{wh}- ‘to bake, to cook, to roast’ < Proto-Nostratic (vb.) *p^hek^{wh}- ‘to warm, to heat’ (> ‘to cook, to bake’); (n.) *p^hek^{wh}-*a* ‘warmth, heat’; (adj.) ‘warm, hot’ (> ‘cooked, baked’) (no. 115).

78. *p^hel-/*p^hl̥- (secondary *o*-grade form: *p^hol-) ‘to tremble, to shake; to be frightened, fearful, afraid’ < Proto-Nostratic (vb.) *p^hel- ‘to tremble, to shake; to be frightened, fearful, afraid’; (n.) *p^hel-*a* ‘fright, fear’ (no. 116).

79. *p^hen- ‘food, protection’ < Proto-Nostratic (vb.) *p^hin^y- ‘to watch (over), to protect, to nourish, to nurture’; (n.) *p^hin^y-*a* ‘protection, care; feeding, nourishing, nourishment’ (no. 118).

80. *p^her-/*p^hr̥- ‘to bear, to bring forth’ < Proto-Nostratic (vb.) *p^hir- ‘to bring forth, to bear fruit’; (n.) *p^hir-*a* ‘birth, issue, offspring, descendant, fruit’ (no. 119).

81. *p^heri ‘around’ < Proto-Nostratic (vb.) *p^hir- ‘to twist, to turn’; (n.) *p^hir-*a* ‘twist, twining, turn; twine, string, rope, cord’ (no. 121).

82. *p^herk^h-/*p^hr̥k^h- (secondary *o*-grade form: *p^hork^h-) ‘to be afraid, to fear’ < Proto-Nostratic (vb.) *p^hir- ‘to tremble, to shake; to be afraid, to fear’; (n.) *p^hir-*a* ‘trembling, fear’ (no. 122).

83. *p^hit'- ‘(vb.) to give birth to; (n.) birth; vulva, womb’ < Proto-Nostratic (vb.) *$p^hit'^y$- ‘to give birth to’; (n.) *$p^hit'^y$-*a* ‘genitals (male or female); birth, origin’ (no. 123).

84. *$p^hoʔ(i/y)$- ‘to swell, to fatten’ and *$p^hoʔ(i/y)$- ‘to drink, to swallow’ < Proto-Nostratic (vb.) *$p^huʔ$- ‘to swell, to fatten’; (n.) *$p^huʔ$-*a* ‘swelling, fullness, fat(ness)’ (no. 124).

85. *p^hol- ‘to fall, to fall down’ < Proto-Nostratic (vb.) *p^hul- ‘to fall, to fall down, to collapse, to ruin’; (n.) *p^hul-*a* ‘fall, collapse, ruin’; (adj.) ‘fallen, ruined, weakened; low, base, vile, mean’ (no. 125).

86. *p^hus- ‘to puff, to blow; to blow up, to inflate; to swell, to grow’ < Proto-Nostratic (vb.) *$p^huš$- ‘to breathe out, to sigh; to blow, to puff (up), to inflate’; (n.) *$p^huš$-*a* ‘puff, breath, snort; bulge’ (no. 129).

PROTO-NOSTRATIC *p^h (> PROTO-AFRASIAN *f) > PROTO-INDO-EUROPEAN *p^h

87. *$p^hé\underset{\smile}{ħ}\underset{\smile}{ħ}ur$- [*$p^há\underset{\smile}{ħ}\underset{\smile}{ħ}ur$-], *$p^hə\underset{\smile}{ħ}\underset{\smile}{ħ}$-*wór*- ‘fire’ (heteroclitic -*r*-/-*n*-stem: gen. sg. *$p^h\underset{\smile}{ħ}\underset{\smile}{ħ}u$-*n*-*és*) < Proto-Nostratic (vb.) *$p^haħ$- ‘to warm, to heat, to burn’; (n.) *$p^haħ$-*a* ‘fire, flame, spark’; (extended form) (vb.) *$p^haħ$-*Vw*- ‘to warm, to heat, to burn’; (n.) *$p^haħ$-*w*-*a* ‘fire, flame, spark’ (no. 130).

88. *p^hel- ‘skin, hide’ < Proto-Nostratic (n.) *p^hal-*a* ‘skin, hide’ (no. 131).

89. *(*s*)p^hel-/*(*s*)p^hol-/*(*s*)$p^h\underset{\circ}{l}$-, *(*s*)p^hl- (plus various extensions) ‘to split, to cleave’ < Proto-Nostratic (vb.) *p^hil^y- ‘to split, to cleave’; (n.) *p^hil^y-*a* ‘split, crack’ (no. 133).

90. *p^herk^h-/*p^hork^h-/*$p^h\underset{\circ}{r}k^h$-, *$p^hrek^h$-/*$p^hrok^h$-/*$p^h\underset{\circ}{r}k^h$- ‘to ask, to request’ < Proto-Nostratic (vb.) *p^hir- ‘to ask, to request, to entreat, to beseech, to pray’; (n.) *p^hir-*a* ‘request, entreaty, prayer’ (no. 135).

91. *p^hut^h- ‘vulva’ < Proto-Nostratic (n.) *p^hut^h-*a* ‘hole, opening’ (no. 137).

92. *$p^h\breve{u}$- ‘to puff, to puff up, to blow’ < Proto-Nostratic (vb.) *p^huw- ‘to puff, to blow, to exhale; to puff up, to inflate’; (n.) *p^huw-*a* ‘a puff, the act of blowing, breath’ (no. 138).

PROTO-NOSTRATIC *p’ > PROTO-INDO-EUROPEAN *p’

93. **p’ăp’aA* (> **p’ăp’ā*) ‘old woman’ < Proto-Nostratic (n.) **p’ap’a-* ‘old man, old woman’ (nursery word) (no. 139). Note: The forms from the individual daughter languages are phonologically ambiguous.

94. **p’ul-*, **p’ol-* ‘swollen, round’, (reduplicated) **p’ulp’ul-*, **p’olp’ol-* (dissimilated to **p’ump’ul-*, **p’omp’ol-*; **p’omp’ul-*) < Proto-Nostratic (vb.) **p’ul-* ‘to swell’; (n.) **p’ul-a* ‘swelling, hump, lump, bulge’; (adj.) ‘swollen, round, bulbous’ (no. 140).

PROTO-NOSTRATIC *d > PROTO-INDO-EUROPEAN *dʰ

95. **-dʰe*, **-dʰi* suffixed particle < Proto-Nostratic **da* ‘along with, together with, in addition to’ (no. 143).

96. **dʰabʰ-* ‘to fit together’ < Proto-Nostratic (vb.) **dab-* ‘to make fast, to join together, to fit together, to fasten (together)’; (n.) **dab-a* ‘joining, fitting, fastening’ (no. 145).

97. **dʰegʰ-om-*, **dʰgʰ-om-* ‘earth, land, ground; human being’ < Proto-Nostratic (vb.) **dag-* ‘to put, to place, to put in place; to be put in place, to be stable, to be firmly established’; (n.) **dag-a* ‘place’ (no. 146).

98. **dʰogʰ-o-* ‘day’ (Germanic only), **dʰgʰyes-* ‘yesterday’ < Proto-Nostratic (vb.) **daɢ-* ‘to glitter, to shine, to burn’; (n.) **daɢ-a* ‘day’ (no. 147).

99. **dʰel-bʰ-*/**dʰol-bʰ-*/**dʰl̥-bʰ-* ‘to dig, to hollow out’, **dʰel-gʰ-*/**dʰol-gʰ-*/**dʰl̥-gʰ-* ‘to gash, to wound’, and **dʰel-k’-*/**dʰol-k’-*/**dʰl̥-k’-* ‘(vb.) to prick, to pierce; (n.) sharp object’ < Proto-Nostratic (vb.) **dal-* ‘to cut, to prick, to pierce, to gash, to notch, to gouge, to wound’; (n.) **dal-a* ‘gash, notch, strike, split’ (no. 148).

100. **dʰer-gʰ-*/**dʰor-gʰ-*/**dʰr̥-gʰ-*, **dʰr-egʰ-*/**dʰr-ogʰ-*/**dʰr̥-gʰ-* ‘to turn’ < Proto-Nostratic (vb.) **dar-* ‘to bend, to twist, to turn; to twist, wrap, or join together’; (n.) **dar-a* ‘bend, turn, curve; that which bends, turns, winds, or twists: winding course or way’; (adj.) ‘bent, curved, crooked; wrapped, twisted, turned, or joined together’ (no. 152).

101. **dʰr-ew-gʰ-* ‘to hurt, to harm’, **dʰr-ew-s-* ‘to break, to shatter’, **dʰr-u-bʰ-* ‘to break, to shatter’ (Greek only), and **dʰr-ew-s-* ‘to break, to shatter’ < Proto-Nostratic (vb.) **dar-* ‘to pound, to break; to harm, to injure, to torment’; (n.) **dar-a* ‘harm, injury’; (adj.) ‘harmful, malevolent’ (> ‘bad’ in Kartvelian and, within Indo-European, in Celtic) (no. 153).

102. *d^her-/*d^hor-/*d^hr̥- ‘(adj.) dark, dirty; (n.) dirt, filth’ < Proto-Nostratic (vb.) *dar- ‘to be or become dark’; (n.) *dar-a ‘dark spot, darkness’; (adj.) ‘dark, black’ (no. 154).

103. *d^hwen-/*d^hwon-/*d^hun- ‘to sound, to resound, to make a noise’ < Proto-Nostratic (?) (vb.) *daw- ‘to sound, to resound, to make a noise’; (n.) *daw-a ‘sound, noise’ (no. 156).

104. *d^hew-/*d^how-/*d^hu(w)- ‘to put, to place’ (Anatolian only) < Proto-Nostratic (vb.) *daw- ‘to put, to place, to set; to set up, to establish; to do, to make’; (n.) *daw-a ‘work, labor; deed, act’ (no. 157).

105. *d^hew-/*d^how-/*d^hu- ‘to pass away, to die’ < Proto-Nostratic (vb.) *daw- ‘to become deathly sick, to be ill; to die’; (n.) *daw-a ‘(deadly) disease, sickness; death’ (no. 158).

106. (*d^heyC- >) *d^hēC-, (*d^heyV- >) *d^heyV-; (reduplicated) *d^he-d^hēC- ‘to set, to lay, to put, to place’ < Proto-Nostratic (vb.) *day- ‘to throw, to cast, to put, to place’; (n.) *day-a ‘act, deed’ (no. 159).

107. *d^hey-A-/*d^hoy-A-/*d^hi-A- (> *d^hī-), *d^hyeA- [*d^hyaA-] (> *d^hyā-) ‘to look at, to fix one’s eyes on’ < Proto-Nostratic (vb.) *day- ‘to look at, to consider, to examine’; (n.) *day-a ‘judgment, examination, consideration’ (no. 160).

108. (?) *d^hid^h- ‘big, large, great’ (Baltic only) < Proto-Nostratic (vb.) *did- ‘to swell, to rise’; (n.) *did-a ‘prominence, protuberance’; (adj.) ‘swollen, raised’ (no. 162).

109. *d^hg^{h}uH- (> *d^hg^{h}ū-) ‘fish’ < Proto-Nostratic (n.) *dig-a ‘fish’ (no. 163).

110. *d^hel- ‘to be shining, bright’ < Proto-Nostratic (vb.) *dil^y- ‘to shine, to be or become bright’; (n.) *dil^y-a ‘daylight, morning’ (no. 165).

111. *d^hm̥b^h- ‘burial mound, kurgan’ < Proto-Nostratic (n.) *dim-a ‘raised or elevated place’; (adj.) ‘raised, elevated’ (no. 166).

112. (*diq^h- > [with progressive voicing assimilation] *dig- >) *d^hig^h- (secondary full-grade forms: *d^heyg^h-, *d^hoyg^h-) ‘(vb.) to pound, to mold (clay), to knead (dough); (n.) clay’ < Proto-Nostratic (vb.) *diq^h- ‘to crush, to pound or tamp (earth), to mold or knead (clay)’; (n.) *diq^h-a ‘earth, clay, mud’ (no. 167).

113. *d^hĕ(i/y)-/*d^hŏ(i/y)- ‘to suck, to suckle’ < Proto-Nostratic (vb.) *diy- ‘to suck, to suckle’; (n.) *diy-a ‘breast, teat, nipple’ (no. 168).

114. *d^h*ow-ks-*/*d^h*u-ks-* ‘to be weary’ < Proto-Nostratic (vb.) **dow-*, **doy-* ‘to slacken, to slow down; to grow weary, weak, faint’; (n.) **dow-a*, **doy-a* ‘slackness, slowness, laxity, weariness, fatigue’; (adj.) ‘slow, slack, lax, weary’ (no. 169).

115. *d^h*ul-* ‘(vb.) to be disturbed, confused, perplexed, troubled; (adj.) mad, raving, crazy, insane’ (secondary full-grade forms: *d^h*wel-*/*d^h*wol-*) < Proto-Nostratic (vb.) **dul-* ‘to disturb, to perplex, to bewilder, to confuse, to ruffle, to upset, to baffle, to stir up trouble, to agitate; to be disturbed, perplexed, bewildered, confused, ruffled, upset, baffled, troubled, agitated’ (> ‘to drive someone crazy, mad, insane; to be crazy, mad, insane; to be dumb, stupid’); (n.) **dul-a* ‘confusion, disturbance, trouble, agitation, perplexity’ (> ‘madness, craziness, insanity; stupidity’) (no. 173).

116. *d^h*ol-*/*d^h*l̥-* (secondary *e*-grade form: *d^h*el-*) ‘to swing, to dangle’ < Proto-Nostratic (vb.) *dul^y*-* ‘to dangle, to hang, to swing back and forth’; (n.) *dul^y*-a* ‘hanging, swinging; shaking, agitation, disturbance’ (no. 174).

117. *d^h*m̥b^h-* (‘to be silent’ > ‘to be deprived of speech’ >) ‘to be dumb, mute’ < Proto-Nostratic (vb.) **dum-* ‘to be silent’; (n.) **dum-a* ‘silence’ (no. 176).

118. *d^h*m̥-* (secondary full-grade forms: *d^h*em-*/*d^h*om-*) ‘(vb.) to become dark, to make dark, to darken; (adj.) dark, cloudy; (n.) darkness, cloud’ < Proto-Nostratic (vb.) **dum-* ‘to cover over, to obscure; to become dark, to make dark, to darken; to cloud over’; (n.) **dum-a* ‘darkness, cloud, fog’; (adj.) ‘dark, cloudy’ (no. 177).

119. *d^h*ŋ̊k’^w-* (secondary full-grade forms: *d^h*enk’^w-*/*d^h*onk’^w-*) ‘(vb.) to cover over, to obscure, to be or become dark; (adj.) dark’ < Proto-Nostratic (n.) (**dum-k’^w-a* >) **dun-k’^w-a* ‘darkness, cloud’; (adj.) ‘dark, cloudy’ (no. 178).

120. *d^h*n̥-* (secondary full-grade forms: *d^h*en-*/*d^h*on-*) ‘to run, to flow’ < Proto-Nostratic (vb.) **dun-* ‘to run, to flow (out), to leak’; (n.) **dun-a* ‘flow, spill, leak’ (no. 179).

121. *d^h*n̥-* (secondary full-grade forms: *d^h*en-*/*d^h*on-*) ‘to cut, to cut off, to cleave’ < Proto-Nostratic (vb.) *dun^y*-* ‘to cut off, to cleave, to split’; (n.) *dun^y*-a* ‘part, share; piece cut off, bit, fragment’ (no. 180).

122. *d^h*ur-* ‘(vb.) to pierce, to penetrate; (n.) any pointed object: spike, prong, dagger, fork, pole, etc.’ < Proto-Nostratic (vb.) **dur-* ‘to bore, to drill, to make a hole’; (n.) **dur-a* ‘hole, opening’ (no. 181).

123. *d^h*ew-*/*d^h*ow-*/*d^h*u-*, *d^h*ewH-*/*d^h*owH-*/*d^h*uH-* (> *d^h*ū-*), *d^h*weE-*/*d^h*woE-*/*d^h*uE-* (> *d^h*wē-*/*d^h*wō-*/*d^h*ū-*), *d^h*wes-*/*d^h*wos-*/*d^h*us-* ‘to blow about, to

fly about; to be blown, strewn, or scattered about', **d^{h}uH-mo-s* (> **d^{h}ū-mo-s*) 'smoke, vapor, mist' < Proto-Nostratic **duw-* (vb.) 'to blow about, to fly about, to scatter; to be blown, strewn, or scattered about'; (n.) **duw-a* 'anything blown, sprinkled, scattered, or strewn about; smoke, steam, vapor; rain, shower, drizzle, raindrops, dust'; (adj.) 'blown about, sprinkled, scattered, strewn' (no. 183).

PROTO-NOSTRATIC **t^{h}* > PROTO-INDO-EUROPEAN **t^{h}*

124. **t^{h}o-* demonstrative pronoun stem < Proto-Nostratic demonstrative stems: (proximate) **t^{h}a-* 'this', (intermediate) **t^{h}i-* 'that', and (distant) **t^{h}u-* 'that yonder' (no. 184).

125. **t^{h}e$\underset{\smile}{\hbar h}$-* [**t^{h}a$\underset{\smile}{\hbar h}$-*] (> **t^{h}ā-*; **t^{h}ā-y-*, **t^{h}ā-w-*) 'to melt, to dissolve' < Proto-Nostratic (vb.) **t^{h}aħ-* 'to reduce, to diminish, to wear away, to lessen; to waste away, to grow thin'; (n.) **t^{h}aħ-a* 'wear, decay, dissipation, maceration' (no. 185).

126. **t^{h}ek^{h}(s)-/*t^{h}ok^{h}(s)-* 'to form, to fashion, to make, to create, either by using a sharp tool or by bending, weaving, joining, braiding, or plaiting together' < Proto-Nostratic (vb.) **t^{h}ak^{h}-* 'to twist, to bend; to fasten, twist, bend, join, or hook together; to be twisted, bent'; (n.) **t^{h}ak^{h}-a* 'hook, peg' (no. 186).

127. **t^{h}ak'-* 'to touch, to strike, to push, to stroke' < Proto-Nostratic (vb.) **t^{h}ak'-* 'to touch, to push, to strike'; (n.) **t^{h}ak'-a* 'touch, stroke' (no. 187).

128. **t^{h}l̥H-* 'head, top, end; headman, chief' < Proto-Nostratic (n.) **t^{h}al-a* 'head, top, end' (no. 188).

129. **t^{h}el-/*t^{h}ol-/*t^{h}l̥-* 'to stretch, to extend; to bear, to endure, to suffer' < Proto-Nostratic (vb.) **t^{h}al^{y}-* (primary meaning) 'to stretch, to spread, to extend', (secondary meaning) 'to endure, to suffer, to bear'; (n.) **t^{h}al^{y}-a* 'stretch, spread, thinness, breadth; pain, suffering, endurance'; (adj.) 'stretched, spread out, extended' (> 'broad, wide, thin, flat, etc.') (no. 189).

130. **t^{h}el-k^{h}-/*t^{h}ol-k^{h}-/*t^{h}l̥-k^{h}-* 'to push, to thrust, to knock, to strike' < Proto-Nostratic (vb.) **t^{h}al^{y}-* 'to press, to thrust, to force, to push'; (n.) **t^{h}al^{y}-a* 'pressure, thrust, force, push' (no. 190).

131. **t^{h}en-/*t^{h}on-/*t^{h}n̥-* 'to extend, to spread, to stretch'; **t^{h}ən-ú-s* 'stretched, thin'; **t^{h}en-k^{h}-* 'to stretch, to extend'; and **t^{h}en-p^{h}-* (> [through assimilation] **t^{h}em-p^{h}-*) 'to stretch' < Proto-Nostratic (vb.) **t^{h}an^{y}-* 'to extend, to spread, to stretch; to endure, to be long-lasting'; (n.) **t^{h}an^{y}-a* 'extension, width, length, breadth'; (adj.) 'stretched, extended, wide, broad, long-lasting' (no. 191).

132. *t^hən-ú-s ‘stretched, thin; tired, weak, feeble’ < Proto-Nostratic (vb.) *t^han^y- ‘to grow weary, exhausted, tired, old’; (n.) *t^han^y-*a* ‘exhaustion, weariness, fatigue, old age’; (adj.) ‘tired, weary, exhausted, old’ (no. 192).

133. *t^hap^h- ‘to press, to tread, to trample’ < Proto-Nostratic (vb.) *t^hap^h- ‘to strike, to knock, to hit, to beat, to pound; to trample’; (n.) *t^hap^h-*a* ‘stroke, slap, blow, hit’ (no. 193).

134. *t^hr-eA-g^h-/*t^hr-oA-g^h- (> *t^hrāg^h-/*t^hrōg^h-) ‘to draw, to drag, to pull’ and *t^hr-ek^h-/*t^hr̥-k^h- ‘to pull’ < Proto-Nostratic (vb.) *t^har- ‘to draw, to drag, to pull’; (n.) *t^har-*a* ‘drag, pull; something dragged or pulled along’ (no. 194).

135. *st^{h}er- ‘to spread, to spread out or about, to scatter, to strew’ < Proto-Nostratic (vb.) *t^har- ‘to spread, to spread out or about, to expand, to extend; to stretch, to stretch out; to scatter, to strew’; (n.) *t^har-*a* ‘stretch, spread, expanse’; (adj.) ‘stretched, tight, taut; spread, scattered, dispersed’ (no. 195).

136. *t^her-/*t^hor-/*t^hr̥- ‘to rub, to wear down’ < Proto-Nostratic (vb.) *t^har- ‘to rub, to wear down’; (n.) *t^har-*a* ‘wear’; (adj.) ‘worn out, rubbed, abraded’ (no. 197).

137. *t^hers-/*t^hors-/*t^hr̥s- ‘to dry up, to wither; to become thirsty’ < Proto-Nostratic (vb.) *t^har- ‘to wither, to wane, to dry up’; (n.) *t^har-*a* ‘dryness’; (adj.) ‘withered, dry, dried up, arid’ (no. 198).

138. *t^her-s-, *t^hr-es- ‘to tremble, to shake’ and *t^hr-em-/*t^hr-om-/*t^hr-m̥- ‘to tremble, to shake’ < Proto-Nostratic (vb.) *t^har- ‘to tremble, to shake’; (n.) *t^har-*a* ‘trembling, shaking (from fear, fright)’ (no. 201).

139. *t^hew-/*t^how-/*t^hu-, *t^hewH-/*t^howH-/*t^huH- (> *t^hū-) ‘to swell; to be swollen, fat’ < Proto-Nostratic (vb.) *t^haw- ‘to swell’; (n.) *t^haw-*a* ‘swelling, protuberance, bulge, lump, hump’; (adj.) ‘swollen, full, fat’ (no. 202).

140. *t^hep^h- ‘to warm, to burn; to be warm’ (secondary *o*-grade form: *t^hop^h-) < Proto-Nostratic (Eurasiatic only) (vb.) *t^hep^h- ‘to warm, to burn’; (n.) *t^hep^h-*a* ‘heat, warmth’ (no. 204).

141. (nom. sg.) *t^hŭ̆ ‘you’, (acc. sg.) *t^hwĕ̆/*t^hĕ̆, *t^hwēm/*t^hēm, (gen. sg.) *t^hewe, *t^hewo, (enclitic) *t^h(w)ey/*t^h(w)oy and (2nd pl. verb ending) *-t^he < Proto-Nostratic *t^hi- second person pronoun stem: ‘you’; (oblique form) *t^ha- (no. 205).

142. *t^hek^h(s)- (secondary *o*-grade form: *t^hok^h(s)-) ‘to form, to fashion, to make, to create, either by using a sharp tool or by bending, weaving, joining, braiding, or plaiting together’ < Proto-Nostratic (Eurasiatic only) (vb.) *t^hik^h-

'to form, to fashion, to make, to create'; (n.) *t^hik^h-*a* 'tool used to form, fashion, make, or create something: axe, adze, chisel, etc.; the act of forming, fashioning, making, or creating something: action, deed, etc.' (no. 206).

143. *t^hek'-*u*- 'firm, solid, thick' < Proto-Nostratic (vb.) *t^hik'- 'to press or squeeze together'; (n.) *t^hik'-*a* 'pressure, solidity, hardness, massiveness, firmness'; (adj.) 'compact, thick, massive, solid, firm' (no. 207).

144. *t^herp^h-/*t^horp^h-/*$t^hr̥p^h$-, *t^hrep^h-/*t^hrop^h-/*$t^hr̥p^h$- 'to have enough, to be satisfied' < Proto-Nostratic (vb.) *t^hir-*V*-p^h- 'to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty'; (n.) *t^hir-p^h-*a* 'abundance, excess, surplus, plenty' (extended form of [vb.] *t^hir- 'to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty'; [n.] *t^hir-*a* 'abundance, fullness'; [adj.] 'enough, abundant, full') (no. 209).

145. *t^how-g^h-/*t^hu-g^h- '(hoar)frost, snow' < Proto-Nostratic (vb.) *t^how- 'to snow'; (n.) *t^how-*a* 'snow-storm; snow, (hoar)frost' (no. 211).

146. *t^hul-/*$t^hl̥$- (secondary full-grade forms: *t^hel-/*t^hol-) 'to lift, to raise' < Proto-Nostratic (vb.) *t^hul- 'to lift, to raise; to pile up, to stack (in a heap)'; (n.) *t^hul-*a* 'hill, mound; stack, heap' (no. 213).

147. *t^hum-/*$t^hm̥$- (secondary full-grade froms: *t^hem-/*t^hom-) 'dark; darkness' < Proto-Nostratic (vb.) *t^hum- 'to cover over, to hide; to become dark'; (n.) *t^hum-*a* 'darkness'; (adj.) 'dark' (no. 214).

148. *t^hr- (*t^hr-*ew*-d^h-/*t^hr-*ow*-d^h-/*t^hr-*u*-d^h-; *t^hr-*en*-k^h-, etc.), *$t^hr̥$- 'to cram, to push in, to stuff, to thrust in, to press in' < Proto-Nostratic (vb.) *t^hur- 'to cram, to push in, to stuff, to thrust in, to press in'; (n.) *t^hur-*a* 'pressure, force, thrust' (no. 216).

PROTO-NOSTRATIC *t' > PROTO-INDO-EUROPEAN *t'

149. *$t'e\underset{\smile}{ħ}\underset{\smile}{h}$- [*$t'a\underset{\smile}{ħ}\underset{\smile}{h}$-] (> *$t'ā$-) 'to cleave, to split, to divide'; (extended form) *$t'e\underset{\smile}{ħ}\underset{\smile}{h}$-*y*/*i*- [*$t'a\underset{\smile}{ħ}\underset{\smile}{h}$-*y*/*i*-] < Proto-Nostratic (vb.) *$t'aħ$- 'to break, to split; to crush, to grind, to pound'; (n.) *$t'aħ$-*a* 'break, split, division; anything ground or pulverized' (no. 219).

150. *$t'ek^h$(*s*)-/*$t'ok^h$(*s*)- 'to do what is fit, appropriate, suitable, proper' < Proto-Nostratic (vb.) *$t'ak^h$- 'to be fit, appropriate, suitable, proper'; (n.) *$t'ak^h$-*a* 'fitness, appropriateness, suitability, propriety'; (adj.) 'fit, appropriate, proper, suitable' (no. 220).

151. (**t'el-/*t'ol-/*t'l̥-* 'to stretch, to extend, to lengthen':) (extended forms) **t'l̥-H-g^{h}o-* 'long', **t'l-e-Eg^h-* (> **t'lēg^h-*) '(vb.) to stretch, to extend, to lengthen; (n.) length' < Proto-Nostratic (vb.) **t'al-* 'to stretch out, to extend'; (n.) **t'al-a* 'length; height'; (adj.) 'long, tall; high' (no. 223).

152. **t'el-/*t'ol-* 'to drip, to fall in drops, to sprinkle, to wet, to moisten' < Proto-Nostratic (vb.) **t'al-* 'to drip, to fall in drops, to sprinkle, to wet, to moisten'; (n.) **t'al-a* 'dew, (rain) drop, drizzle' (no. 224).

153. **t'em-/*t'om-/*t'm̥-* (vb.) 'to build, to construct', (n.) **t'om-o-s*, **t'om-u-s* 'house, building, structure' < Proto-Nostratic (vb.) **t'am-* 'to make or construct (something) in a skillful manner' (> 'to build'); (n.) **t'am-a* 'the act of making or constructing (something) in a skillful manner' (> 'craft, skill'); 'that which is made or constructed in a skillful manner' (> 'building, structure'); 'one who makes or constructs (something) in a skillful manner' (> 'craftsman, carpenter') (no. 225).

154. **t'n̥s-u-* 'closely packed or pressed together; thick, dense' < Proto-Nostratic (vb.) **t'an-* 'to fill, to stuff, to pack tightly together'; (n.) **t'an-a* 'closeness, thickness, density; load, burden'; (adj.) 'closely packed or pressed together; close, thick, dense' (no. 226).

155. **t'ep^h-/*t'op^h-* 'to pound, to trample' < Proto-Nostratic (vb.) **t'ap^h-* 'to strike, to beat, to pound'; (n.) **t'ap^h-a* 'stroke, blow' (no. 228).

156. **(s)t'ek'-/*(s)t'ok'-* > (with regressive deglottalization) **(s)t^{h}ek'-/*(s)t^{h}ok'-* 'to cover' < Proto-Nostratic (vb.) **t'aq'-* 'to cover, to protect'; (n.) **t'aq'-a* covering' (no. 229).

157. **t'er-/*t'or-/*t'r̥-* 'to tear, to rend, to flay' < Proto-Nostratic (vb.) **t'ar-* 'to tear, to rend, to cut, to sever'; (n.) **t'ar-a* 'rip, tear, cut, slice' (no. 230).

158. **t'rep^h-/*t'rop^h-* 'to tear, to rend, to pluck' < Proto-Nostratic (vb.) **t'ar-V-p^h-* 'to tear, to rend, to pluck'; (n.) **t'ar-p^h-a* 'tearing, rending, plucking' (no. 231).

159. **t'ew(A)-/*t'ow(A)-/*t'u(A)-* 'to go, to leave, to go away; far off, far away, distant' < Proto-Nostratic (vb.) **t'aw-* 'to go, to leave, to go away; to let go'; (n.) **t'aw-a* 'distance, remoteness'; (adj.) 'far away, remote, at a distance' (no. 232).

160. **t'ew-/*t'ow-/*t'u-* 'to hit, to strike' < Proto-Nostratic (vb.) **t'aw-* 'to hit, to strike'; (n.) **t'aw-a* 'stroke, blow, injury, harm, damage' (no. 233).

161. **t'ay-wer-/*t'ay-wr̥-* 'brother-in-law on husband's side' < Proto-Nostratic (Eurasiatic only) (n.) **t'ay-a* '(elder) male in-law, (elder) male relative' (no. 234).

162. **t'ey-/*t'oy-/*t'i-* 'to shine, to be bright' < Proto-Nostratic (vb.) **t'ay-* or **t'iy-* 'to shine, to gleam, to be bright, to glitter, to glow; to burn brightly'; (n.) **t'ay-a* or **t'iy-a* 'light, brightness, heat' (no. 235).

163. **t'eʔ-* (> **t'ē-*) 'to say, to speak' < Proto-Nostratic (vb.) **t'eʔ-* 'to say, to speak'; (n.) **t'eʔ-a* 'sound, speech' (no. 236).

164. **t'el-* (secondary *o*-grade form: **t'ol-*) '(vb.) to say, to tell, to recount; to list, to enumerate; (n.) talk, speech, language; list, enumeration' < Proto-Nostratic (vb.) **t'il-* 'to say, to tell; to recount, to list, to enumerate'; (n.) **t'il-a* 'talk, speech, discourse, tale' (no. 239).

165. (**t'l̥g^{h}uA-/*t'l̥g^{h}weA-* >) **t'ŋ̥g^{h}ū-/*t'ŋ̥g^{h}wā-* 'tongue' (with widely different reflexes in the daughter languages due to taboo) < Proto-Nostratic (vb.) **t'il-* 'to say, to tell; to recount, to list, to enumerate'; (n.) **t'il-a* 'talk, speech, discourse, tale' (no. 240).

166. **t'er-w/u-/*t'or-w/u-*, **t'r-ew-/*t'r-ow-/*t'r-u-* 'tree, wood' < Proto-Nostratic (n.) **t'or^{y}-a* 'tree, the parts of a tree' (> 'leaf, branch, bark, etc.') (no. 241).

167. (**t'ox^{w}-C-* >) **t'ō-*, **t'ox^{w}-V-* (> **t'ŏw-*) < Proto-Nostratic (Eurasiatic only) (vb.) **t'ox^{w}-* 'to give, to bring'; (n.) **t'ox^{w}-a* 'giving, gift, present' (no. 242).

168. (**t'uʔ^{w}-o-*, **t'uʔ^{w}-i-* >) **t'(u)wo-*, **t'(u)wi-* 'two' < Proto-Nostratic (vb.) **t'uʔ^{w}-* 'to separate, divide, or split into two parts; to cut in half'; (n.) **t'uʔ^{w}-a* 'separation or division into two; two halves' (used as the base for the numeral 'two' in Indo-European and Altaic) (no. 243).

169. **t'ok'-* > (with regressive deglottalization) **t^{h}ok'-* (secondary *e*-grade form: **t^{h}ek'-*) 'to knock, to beat, to strike' < Proto-Nostratic (vb.) **t'uk'-* 'to knock, to beat, to strike, to pound, to trample'; (n.) **t'uk'-a* 'knock, thump, blow, stroke' (no. 244).

170. **t'ul-* 'pin, wedge, peg' < Proto-Nostratic (Eurasiatic only) (n.) **t'ul^{y}-a* 'peg, wedge' (no. 245).

171. **t'om-H-/*t'm̥-H-* 'to tame, to subdue' < Proto-Nostratic (vb.) **t'um-* 'to quiet, to calm, to pacify, to tame'; (n.) **t'um-a* 'quietness, calmness, peace, tranquility'; (adj.) 'quiet, calm, tame, peaceful' (no. 246).

PROTO-NOSTRATIC *dʸ > PROTO-INDO-EUROPEAN *dʰ

172. **dʰebʰ-/*dʰobʰ-* ‘to beat, to hit, to strike, to harm, to injure’ < Proto-Nostratic (vb.) **dʸab-* ‘to beat, to hit, to strike, to harm, to injure’; (n.) **dʸab-a* ‘stroke, blow, harm, injury; slaughter, killing’ (no. 248).

173. (**dʸakʷʰ-* > [with depalatalization] **dakʷʰ-* > [with progressive voicing assimilation]) **dʰegʷʰ-/*dʰogʷʰ-* ‘to blaze, to burn’ < Proto-Nostratic (vb.) **dʸakʷʰ-* ‘to blaze, to be bright’; (n.) **dʸakʷʰ-a* ‘(burning) embers, fire, flame’ (no. 249).

174. **dʰanw/u-* ‘a kind of tree’ < Proto-Nostratic (n.) **dʸan-w-a* ‘a kind of tree or bush’ (no. 250).

175. **dʰer-/*dʰor-/*dʰr̥-* ‘to hold firmly in the hand, to support’ < Proto-Nostratic (vb.) **dʸar-* ‘to hold firmly’; (n.) **dʸar-a* ‘firm grip; hand, arm’ (no. 251).

176. **dʰew-/*dʰow-* ‘to run, to flow’ < Proto-Nostratic (vb.) **dʸaw-* ‘to run, to flow’; (n.) **dʸaw-a* ‘stream, current, flow’; (adj.) ‘running, flowing’ (no. 252).

PROTO-NOSTRATIC *tʸʰ > PROTO-INDO-EUROPEAN *tʰ

177. **tʰer(ḫ͡ḫ)-/*tʰor(ḫ͡ḫ)-/*tʰr̥(ḫ͡ḫ)-*, **tʰreḫ͡ḫ-* [**tʰraḫ͡ḫ-*]/**tʰroḫ͡ḫ-* (> **tʰrā-/*tʰrō-*) ‘to advance to or toward an end or a goal, to pass across or over, to pass through; to achieve an end or a goal, to reach, to come to, to arrive at, to overcome, to overtake; to master, to become master of, to control’ < Proto-Nostratic (vb.) **tʸʰar-* ‘to advance to or toward an end or a goal; to attain or achieve an end or a goal, to reach, to come to, to arrive at’; (n.) **tʸʰar-a* ‘advance, arrival, goal, attainment, end, aim; approach’ (no. 259).

178. **tʰm̥-* (secondary full-grade forms: **tʰem-/*tʰom-*) ‘to strike, to hit, to beat, to stun, to stupefy; to be stunned, stupefied, faint, exhausted, dizzy’ < Proto-Nostratic (vb.) **tʸʰum-* ‘to strike, to beat, to pound, to knock; to tire out, to weary; to be or become weak or weary, to fade, to waste away’; (n.) **tʸʰum-a* ‘fatigue, weariness, dullness, stupor’ (no. 263).

PROTO-NOSTRATIC *t’ʸ > PROTO-INDO-EUROPEAN *t’

179. **t’akʰ-* ‘to cut or tear into shreds’ < Proto-Nostratic (vb.) **t’ʸakʰ-* ‘to cut into small pieces, to chop, to chip’; (n.) **t’ʸakʰ-a* ‘chip, small piece’ (no. 265).

180. **t'el-/*t'ol-* 'to cover over, to stretch over' < Proto-Nostratic (vb.) **t'ʸal-* and/or **t'ʸil-* 'to overshadow, to cover over, to make dark'; (n.) **t'ʸal-a* and/or **t'ʸil-a* 'shade, shadow; covering; darkness' (no. 266).

181. **t'er-w/u-*; **t'r-ew-/*t'r-u-*, **t'r-ew-H-/*t'r-u-H-* (> **t'r-ū-*) 'to be firm, solid, strong, steadfast' < Proto-Nostratic (vb.) **t'ʸar-* 'to be or become stuck, joined, or bound together; to be firmly or strongly attached'; (n.) **t'ʸar-a* 'firmness, solidity, strength'; (adj.) **t'ʸar-a* 'firm, solid, strong, steadfast' (no. 268).

182. **t'r̥-s-* 'rough, coarse' < Proto-Nostratic (vb.) **t'ʸar-* 'to be rough, coarse, rigid, stiff, hard'; (n.) **t'ʸar-a* 'that which is rough, coarse, rigid, stiff, hard'; (adj.) 'rough, coarse, rigid, stiff, hard' (no. 269).

183. **t'er-/*t'or-/*t'r̥-* 'to make a noise; to hum, to buzz, to rattle' and **t'er-/*t'or-/*t'r̥-* 'to chirp' < Proto-Nostratic (vb.) **t'ʸar-* 'to make a noise'; (n.) **t'ʸar-a* '(rustling or rumbling) noise' (onomatopoeic) (no. 272).

184. **t'ews-/*t'ows-/*t'us-* 'bad, evil; (prefix) ill-, un-, mis-' < Proto-Nostratic (n.) **t'ʸaw-a* 'bad thing, evil, wickedness'; (adj.) 'bad, evil' (no. 273).

185. **t'en-s-/*t'n̥-s-* (secondary *o*-grade form: **t'on-s-*) 'great mental power, wise decision' < Proto-Nostratic (vb.) **t'ʸiŋ-* 'to think, to consider'; (n.) **t'ʸiŋ-a* 'thought, consideration, idea' (no. 274).

186. (**t'or-/*t'r̥-*, **t'r-*:) **t'reA-* [**t'raA-*] (> **t'rā-*); **t'rem-/*t'rom-/*t'rm̥-*; **t'rew-/*t'row-/*t'ru-* 'to run, to flow' < Proto-Nostratic (vb.) **t'ʸor-* 'to run, to flow'; (n.) **t'ʸor-a* 'running, flowing'; (adj.) **t'ʸor-* 'speedy, swift' (no. 276).

PROTO-NOSTRATIC **sʸ* > PROTO-INDO-EUROPEAN **s*

187. **sem-/*som-/*sm̥-* 'summer' < Proto-Nostratic (vb.) **sʸam-* 'to be hot, sunny'; (n.) **sʸam-a* 'summer' (no. 277).

188. **saw-s-/*su-s-* 'dry' < Proto-Nostratic (vb.) **sʸaw-* 'to be dry, arid, withered'; (n.) **sʸaw-a* 'dryness, dry place'; (adj.) 'dry, arid, withered' (no. 278).

189. **sew(H)-/*sow(H)-/*su(H)-* 'to give birth' < Proto-Nostratic (vb.) **sʸaw-* or **sʸew-* 'to give birth, to bring forth, to be born'; (n.) **sʸaw-a* or **sʸew-a* 'son, child' (no. 279).

190. (**sewH-/*)*suH-* ‘(wild or domesticated) pig, sow’ and **sw-iH-no-s* (> **swīnos*) ‘of, belonging to, or pertaining to a pig’ < Proto-Nostratic (n.) **sʸaw-a* ‘wild boar’ (no. 280).

191. **seh̯h̯ʷ-* [**sah̯h̯ʷ-*] (unattested root) ‘to be or become hot, warm; to heat up, to make hot, to warm, to burn’; only found with the suffixes **-(e)l-*, **-(e)n-*: **seh̯h̯ʷ-(e)l-* (> **sāwel-*), **sh̯h̯ʷ-ōl-* (> **swōl-*), (**səh̯h̯ʷ-l-* >) **suh̯h̯ʷ-l-* (> **sūl-*); **sh̯h̯ʷ-en-* (> **swen-*), **səh̯h̯ʷ-n-* > **suh̯h̯ʷ-n-* (> **sūn-*), etc. ‘the sun’ < Proto-Nostratic (vb.) **sʸaxʷ-* ‘to be or become hot, warm; to heat up, to make hot, to warm, to burn’; (n.) **sʸaxʷ-a* ‘warmth, heat; sun’ (no. 281).

192. **sen-/*sn̥-* ‘old’ < Proto-Nostratic (vb.) **sʸenʸ-* ‘to change, to deteriorate, to grow old’; (n.) **sʸenʸ-a* ‘old age; old person’; (adj.) ‘aged, old’ (no. 282).

193. **sel-pʰ-/*sl̥-pʰ-* (secondary *o*-grade form: **solpʰ-*) ‘fat, butter’ < Proto-Nostratic (Eurasiatic only) (n.) **sʸil-a* ‘fat, lard’ (no. 283).

194. **sel-/*sl̥-* (secondary *o*-grade form: **sol-*) ‘to take, to seize’ < Proto-Nostratic (vb.) **sʸilʸ-* ‘to take (away), to seize, to snatch’; (n.) **sʸilʸ-a* ‘removal, robbery, plunder’ (no. 284).

195. **ser-/*sr̥-* (secondary *o*-grade form: **sor-*) ‘(vb.) to twist, turn, tie, or string together; (n.) band, cord, string, thread; sinew, tendon, vein, nerve’ < Proto-Nostratic (vb.) **sʸir-* ‘to twist, turn, tie, or bind together’; (n.) **sʸir-a* ‘band, cord, any cord-like object: sinew, tendon, nerve, vein’ (no. 285).

196. **sol-* ‘whole, sound, well, safe’ < Proto-Nostratic (vb.) **sʸol-* ‘to be safe, well, sound’; (n.) **sʸol-a* ‘safety; health, welfare’; (adj.) ‘safe, well, sound’ (no. 287).

197. **sor-* (secondary *e*-grade form: **ser-*) ‘to move quickly, to run, to flow’, **ser-pʰ-/*sor-pʰ-/*sr̥-pʰ-* ‘to creep, to crawl’, and **sr-ew-/*sr-ow-/*sr-u-* ‘to flow’ < Proto-Nostratic (vb.) **sʸor-* ‘to surge, gush, flow, spring, or spread forth’; (n.) **sʸor-a* ‘surge, gush, flow’ (no. 288).

198. **su-* (prefix) ‘well, good’ < Proto-Nostratic (vb.) **sʸuw-* ‘to be proper, fitting, suitable, appropriate, good, well, fine, beautiful’; (n.) **sʸuw-a* ‘propriety, suitability, appropriateness’; (adj.) ‘proper, fitting, suitable, appropriate’ (no. 290).

PROTO-NOSTRATIC *ʒ > PROTO-INDO-EUROPEAN *dʰ

199. **dʰer-/*dʰor-/*dʰr̥-* ‘to gush forth, to burst forth, to spurt’ < Proto-Nostratic (vb.) **ʒar-* or **ǯar-* ‘to run, flow, leak, or spill out; to spring forth, to issue

(from); to flow or gush forth'; (n.) **ʒar-a* or **ǯar-a* 'drizzle, rain, downpour; current, stream, torrent' (no. 296).

200. (**dʰer-/*)**dʰr-* 'to strike, to beat, to knock; to thrust' < Proto-Nostratic (vb.) **ʒer-* or **ǯer-* 'to pierce, to jab, to stab, to thrust or shove into'; (n.) **ʒer-a* or **ǯer-a* 'spear, javelin, weapon' (no. 297).

201. **dʰem(H)-/*dʰm̥(H)-* (secondary *o*-grade form: **dʰom(H)-*) 'to blow (as wind or as to blow any wind instrument)' < Proto-Nostratic (vb.) **ʒim-* or **ǯim-* 'to blow, to play (a wind instrument)'; (n.) **ʒim-a* or **ǯim-a* 'blowing, playing (a wind instrument)' (no. 300).

202. **dʰudʰdʰ-o-* (reduplicated) 'nipple' (> 'anything having the size or shape of a nipple: lump, knot, dot, etc.') < Proto-Nostratic (n.) **ʒuʒ-a* 'nipple, breast' (no. 302).

PROTO-NOSTRATIC *cʰ > PROTO-INDO-EUROPEAN *tʰ

203. (?) **tʰeħ̲ħ̲-* [**tʰaħ̲ħ̲-*] (> **tʰā-*) (earlier **cʰeħ̲ħ̲-*) 'to hit, to beat' (relic forms in Hittite, with possible cognates in Sanskrit) < Proto-Nostratic (vb.) **cʰaħ-* 'to crush, to pound, to grind, to beat, to bruise, to destroy'; (n.) **cʰaħ-a* 'the act of crushing, beating, thrashing, pounding, grinding'; (adj.) 'crushing, beating, thrashing, pounding, grinding' (no. 304).

PROTO-NOSTRATIC *c' > PROTO-INDO-EUROPEAN *t'

204. (?) (*t'el-/*t'ol-/*)**t'l̥-* (earlier [**c'el-/*c'ol-/*]**c'l̥-*) 'to lengthen, to prolong; to take long' < (relic forms in Hittite) < Proto-Nostratic (vb.) **c'al-* or **č'al-* 'to stretch out, to extend, to exceed; to be wealthy, to prosper, to do well'; (n.) **c'al-a* or **č'al-a* 'wealth, prosperity, abundance' (no. 308).

205. **t'er-/*t'or-/*t'r̥-* 'to be or become visible, clear, evident' and **t'erkʰ-/*t'orkʰ-/*t'r̥kʰ-* 'to be or become visible, clear, evident; to see clearly' < Proto-Nostratic (vb.) **c'ar-* or **č'ar-* 'to be or become visible, clear, evident; to reveal, to make known, to make clear, to clarify'; (n.) **c'ar-a* or **č'ar-a* 'visibility, clarity'; (adj.) 'visible, clear, evident' (no. 310).

PROTO-NOSTRATIC *s > PROTO-INDO-EUROPEAN *s

206. **seʔ(y/i)-* '(vb.) to sift; (n.) sieve' < Proto-Nostratic (vb.) **saʔ-V-y-* 'to sift'; (n.) **saʔ-y-a* 'sieve' (no. 315).

207. **seg^{h}-/*sog^{h}-* ‘to get, to obtain’ < Proto-Nostratic (vb.) **sag-* or **šag-* ‘to reach, to arrive at, to attain, to achieve, to get, to obtain’; (n.) **sag-a* or **šag-a* ‘acquisition, attainment, victory’ (no. 317).

208. **seħ͡ħ-k’-* [**saħ͡ħ-k’-*] (> **sāk’-*) ‘to examine, to consider, to try to find out, to try to understand, to think about’ < Proto-Nostratic (vb.) **saħ-* or **šaħ-* ‘to examine, to consider, to try to find out, to try to understand, to think about’; (n.) **saħ-a* or **šaħ-a* ‘thought, idea, understanding, inquiry, examination, consideration, investigation’ (no. 318).

209. **sek^{h}-/*sok^{h}-* ‘to cut’ < Proto-Nostratic (vb.) **sak^{h}-* ‘to cut, to split’; (n.) **sak^{h}-a* ‘any sharp instrument used for cutting: knife, sword, dagger, axe, etc.’ (no. 319).

210. **sek’^{w}-/*sok’^{w}-* ‘to attach, to fasten’ < Proto-Nostratic (vb.) **sak’^{w}-* ‘to tie, to bind, to fasten’; (n.) **sak’^{w}-a* ‘fastening, loop’ (no. 320).

211. **sel-/*sol-* ‘(vb.) to go up, to lift up, to raise up; (adj.) raised, elevated, high’ < Proto-Nostratic (vb.) **sal-* ‘to go up, to lift up, to raise up’; (n.) **sal-a* ‘ascent; height’; (adj.) ‘elevated, high, raised’ (no. 321).

212. **sem-/*som-/*sm̥-* ‘like, same’ < Proto-Nostratic (vb.) **sam-* ‘to resemble, to be like’; (n.) **sam-a* ‘form, shape, appearance, likeness’; (adj.) ‘similar, alike, same’ (no. 322).

213. **sen-t^{h}-/*son-t^{h}-/*sn̥-t^{h}-* ‘to sense, to perceive’ < Proto-Nostratic (vb.) **san-* or **šan-*, **sin-* or **šin-*, **sun-* or **šun-* ‘to sense, to perceive’; (n.) **san-a* or **šan-a*, **sin-a* or **šin-a*, **sun-a* or **šun-a* ‘that which senses or perceives: mind, nose; that which is sensed or perceived: perception, sense, feeling’ (no. 323).

214. **senHw-*, **sneHw-* (> **snēw-*) ‘sinew, tendon’ < Proto-Nostratic (Eurasiatic only) (n.) **s[e]n-a* or **š[e]n-a* (root vowel uncertain but probably **e*) ‘sinew, tendon’ (no. 324).

215. **-si* (< **-s* plus deictic particle **-i*) second person singular primary verb ending; **-s* second person singular secondary verb ending < Proto-Nostratic **si-* second person pronoun stem: ‘you’ (no. 325).

216. **-s-* 3rd person singular verb ending and **-s-* in (m.) **ʔey-s-os*, (f.) **ʔey-s-eA* [*-aA*] (> *-ā*), **ʔey-s-yos* a compound demonstrative pronoun: ‘this’ (note: the **-s-* element could be from the Proto-Nostratic demonstrative pronoun stem **ša-* ‘this, that’ instead [see below]) < Proto-Nostratic **si-* 3rd person pronoun stem: ‘he, she, it; him, her; they, them’; 3rd person possessive suffix: **-si* ‘his, her, its; their’ (no. 326).

217. **siħ͡h-* [**seħ͡h-*] (> **sē-*) ‘to throw, to scatter’ > ‘to sow seeds, to make to grow’ < Proto-Nostratic (vb.) **siħ-* ‘to scatter, to strew, to cast or throw, to sprinkle (with water)’; (n.) **siħ-a* ‘the act of scattering, strewing, casting, or throwing about’; (adj.) ‘scattered, strewn, cast or thrown about’ (no. 328).

PROTO-NOSTRATIC **ǯ* > PROTO-INDO-EUROPEAN **dʰ*

218. **dʰeʔ-/*dʰoʔ-* (> **dʰē-/*dʰō-*) ‘to waste away; to become exhausted, faded, withered, weak, weary’ < Proto-Nostratic (vb.) **ǯaʔ-* ‘to die, to fade, to wither’; (n.) **ǯaʔ-a* ‘death’ (no. 329).

219. **dʰw-iH-* (> **dʰw-ī-*) ‘to dwindle, to waste away, to wane’ < Proto-Nostratic (vb.) **ǯaw-* ‘to wear out, to be used up, to cease to function’; (n.) **ǯaw-a* ‘cessation, end, extinction’; (adj.) ‘worn out, used up, wasted, decrepit, old’ (no. 333).

PROTO-NOSTRATIC **čʰ* > PROTO-INDO-EUROPEAN **tʰ*

220. **tʰel-/*tʰol-/*tʰl̥-* ‘to leave, to leave behind, to abandon, to get rid of, to empty; to set free, to release, to let go’ (extended form in Germanic: **tʰl-ew-/*tʰl-ow-/*tʰl-u-*, with root in zero-grade and suffix in full-grade) < Proto-Nostratic (vb.) **čʰal-* ‘to leave, to leave behind, to abandon, to get rid of, to empty; to set free, to release, to let go; (n.) **čʰal-a* ‘freedom, leisure, emptiness’; (adj.) ‘empty, freed (from), at leisure’ (no. 335).

221. **tʰokʰ-* ‘to bend, to turn, to twist, to wind’ < Proto-Nostratic (vb.) **čʰokʰ-* ‘to bend, to twist, to turn, to wind; to close, to shut, to cover’; (n.) **čʰokʰ-a* ‘bend, twist, turn; closure, cover, stoppage’ (no. 338).

PROTO-NOSTRATIC **š* > PROTO-INDO-EUROPEAN **s*

222. **so-*, (f.) **seA* [**saA*] (> **sā*) demonstrative pronoun stem: ‘this, that’ and **-s-* in (m.) **ʔey-s-os*, (f.) **ʔey-s-eA* [*-aA*] (> *-ā*), **ʔey-s-yos* compound demonstrative pronoun: ‘this’ (note: the **-s-* element could be from the Proto-Nostratic 3rd person anaphoric stem **si-* instead [see above]) < Proto-Nostratic **ša-* demonstrative pronoun stem: ‘this, that’ (no. 342).

223. **ser-/*sor-/*sr̥-* ‘to split, to rip apart, to tear asunder’ and **sor-gʰ-* ‘to wound, to tear’ < Proto-Nostratic (vb.) **šar-* ‘to split, to rip apart, to tear asunder’; (n.) **šar-a* ‘that which splits: knife’ (no. 343).

224. **sew(H)-/*sow(H)-/*su(H)-* ‘to suck, to drink, to swallow’ and **sw-el-* ‘to swallow’ < Proto-Nostratic (vb.) **šaw-* ‘to drink, to swallow’; (n.) **šaw-a* ‘drink, juice’ (no. 344).

225. **sew-/*sow-/*su-* ‘to sigh, to pant, to gasp’ < Proto-Nostratic (vb.) **šaw-* ‘to sigh, to pant, to gasp, to breathe deeply’; (n.) **šaw-a* ‘breath, sigh’ (no. 345).

226. **sw-ep^{h}-/*sw-op^{h}-/*su-p^{h}-*‘to sleep’ < Proto-Nostratic (vb.) **šaw-* ‘to sleep, to rest’; (n.) **šaw-a* ‘sleep, slumber, rest’ (no. 346).

227. **siħ͡ħ-* [**seħ͡ħ-*] (> **sē-*) ‘separately, apart’, **siħ͡ħ-t^{h}-* [**seħ͡ħ-t^{h}-*] (> **sē-t^{h}-*) ‘division, section’, and **siħ͡ħ-mi-* [**seħ͡ħ-mi-*] (> **sē-mi-*) ‘half’ < Proto-Nostratic (vb.) **šiħ-* ‘to separate into (equal) parts, to divide’; (n.) **šiħ-a* ‘part, portion, separation, division, section’ (no. 347).

228. **sw-el-* ‘to swell’ < Proto-Nostratic (vb.) **šiw-* ‘to swell’; (n.) **šiw-a* ‘swelling’; (adj.) ‘swollen, puffed up’ (no. 348).

229. **swel-/*sul-* ‘(vb.) to wet, to moisten, to flow; (n.) liquid, moisture’ < Proto-Nostratic (vb.) **šuw-* ‘to be wet, moist; to make wet, to soak’; (n.) **šuw-a* ‘moisture, liquid; (adj.) ‘moist, wet, soaked’; (extended form) (vb.) **šuw-V-l-*; (n.) **šuw-l-a* (no. 349).

PROTO-NOSTRATIC *g > PROTO-INDO-EUROPEAN *g^{h}

230. **g^{h}eʔ-/*g^{h}oʔ-* (> **g^{h}ē-/*g^{h}ō-*), also **g^{h}eʔy/i-/*g^{h}oʔy/i-* (> **g^{h}ĕy/i-/*g^{h}ŏy/i-*) ‘to go, to leave, to depart; to abandon, to forsake’ < Proto-Nostratic (vb.) **gaʔ-* ‘to go, to leave, to depart; to leave behind, to abandon, to forsake’; (n.) **gaʔ-a* ‘abandonment, lack, want, need, deprivation, loss, deficit’; (adj.) ‘abandoned, forsaken, left behind; wanting, lacking, deprived of’ (no. 350).

231. **g^{h}eb^{h}-* ‘gable, head, pinnacle’ < Proto-Nostratic (n.) **gab-a* ‘peak, tip, top’ (no. 352).

232. **g^{h}ab^{h}-* ‘to grab, to seize’ < Proto-Nostratic (vb.) **gab-* ‘to grasp, to seize’; (n.) **gab-a* ‘hand, arm’ (no. 353).

233. **g^{h}od^{h}-* ‘to hit, to strike’ < Proto-Nostratic (vb.) **gad-* ‘to cut, to split, to strike (with an instrument)’; (n.) **gad-a* ‘that which cuts: (pick)axe, saw; that which is cut, split: cut, split, piece, fragment, bit’ (no. 355).

234. **g^{h}el-/*g^{h}ol-/*g^{h}l̥-* ‘to cut off’ < Proto-Nostratic (vb.) **gal-* ‘to cut, break, tear, or pluck off; to separate’; (n.) **gal-a* ‘cut, break, tear, separation’ (no. 357).

235. *g^hel-/*g^hol-/*g^hl̥- ‘(vb.) to plow; (n.) a plow’ < Proto-Nostratic (vb.) *gal- ‘to dig, scoop, or hollow out’ (> ‘to plow’); (n.) *gal-a ‘the act of digging, scooping, or hollowing out’ (no. 358).

236. *g^hel-/*g^hol-/*g^hl̥-: *g^hl-en-d^h- ‘to be or become visible, clear, obvious, evident; to regard, to look at, to peer at’ and *g^hl-ewH-/*g^hl-owH-/*g^hl-uH- ‘clear, evident’ < Proto-Nostratic *gal- ‘to be or become visible, clear, obvious, evident; to regard, to look at, to peer at’; (n.) *gal-a ‘visibility, clarity, understanding’; (adj.) ‘visible, clear, obvious, evident’ (no. 360).

237. *g^hel-/*g^hol-/*g^hl̥- ‘to cry out, to shout, to clamor; to be noisy, boisterous’ < Proto-Nostratic (vb.) *gal- ‘to cry out, to shout, to clamor; to be noisy, boisterous’; (n.) *gal-a ‘clamor, uproar, tumult, disturbance, turmoil, noise’ (no. 361).

238. (*g^hel-/)*g^hol- ‘(vb.) to ache, to be in pain, to be ill, to suffer; (n.) ache, pain, disease, illness’ < Proto-Nostratic (vb.) *gal- ‘to ache, to be in pain, to be ill, to suffer’; (n.) *gal-a ‘ache, pain, disease, illness’ (no. 362).

239. *g^hal- ‘blemish, fault, sore on the skin’ < Proto-Nostratic (n.) *gal-a ‘blemish, fault, scar, sore on the skin’ (no. 363).

240. *g^hal- ‘(vb.) to be strong, powerful; to be able; (n.) strength, power, ability’ < Proto-Nostratic (vb.) *gal- ‘to be strong, powerful; to be able’; (n.) *gal-a ‘strength, power, ability’ (no. 364).

241. *g^hem-/*g^hom-/*g^hm̥- ‘to bend down, to incline’ < Proto-Nostratic (vb.) gam- ‘to bend, to be bent’; (n.) gam-a ‘a bent or curved object: hook; wrist, ankle; etc.’ (no. 365).

242. *g^hans- ‘goose’ < Proto-Nostratic (n.) *gaŋ-a (with different extensions in the various daughter languages: *gaŋ-s^y- and/or *gaŋ-s-, *gaŋ-t^y-, etc. and sporadic loss of *ŋ*) ‘a waterfowl, an aquatic bird: goose, duck, etc.’ (no. 367).

243. (*g^hen-/)*g^hn- ‘to bend or stoop forward; to bend’ (Germanic only) < Proto-Nostratic (vb.) *gaŋ- ‘to bend: to bend forward; to bend back; to bend to the side’; (n.) *gaŋ-a ‘side, corner, flank, edge’ (no. 368).

244. *g^her-/*g^hor-/*g^hr̥- ‘to seize, to grasp, to take hold of’, *g^her(s)- ‘hand’ < Proto-Nostratic (vb.) *gar- ‘to seize, to grasp, to take hold of’; (n.) *gar-a ‘hand’ (no. 369).

245. *g^her-/*g^hor-/*g^hr̥- ‘to cut off, to shorten’ < Proto-Nostratic (vb.) *gar- ‘to cut, to split’; (n.) *gar-a ‘cut, injury; that which cuts: (pick)axe’; (adj.) ‘cut, separated, shortened’ (no. 370).

246. *$g^{h}er$-/*$g^{h}\underline{r}$- ‘to scratch, to scrape’, *$g^{h}reb^{h}$-/*$g^{h}rob^{h}$-/*$g^{h}\underline{r}b^{h}$- ‘to scratch, to scrape’, *$g^{h}rem$-/*$g^{h}rom$- ‘to scrape’, and *$g^{h}rew$-/*$g^{h}row$-/*$g^{h}ru$- ‘to scrape, to graze’ < Proto-Nostratic (vb.) *gar- ‘to scratch, to scrape’; (n.) *gar-a ‘that which scratches, scrapes: spade, rake’ (no. 371).

247. *$g^{h}reE$-/*$g^{h}roE$- (> *$g^{h}r\bar{e}$-/*$g^{h}r\bar{o}$-) ‘to grow’ < Proto-Nostratic (vb.) *gar^{y}- ‘to swell, to increase, to grow’; (n.) *gar^{y}-a ‘swelling, increase, growth; great quantity, abundance, excess’ (no. 373).

248. *$g^{h}er$-/*$g^{h}or$-/*$g^{h}\underline{r}$- (extended form: *$g^{h}r$-eE-/*$g^{h}r$-oE- > *$g^{h}r\bar{e}$-/*$g^{h}r\bar{o}$-) ‘(vb.) to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff; (n.) tip, point, peak’ and *$g^{h}ers$-/*$g^{h}ors$-/*$g^{h}\underline{r}s$- ‘to bristle’ < Proto-Nostratic (vb.) *gar^{y}- ‘to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff’; (n.) *gar^{y}-a ‘tip, point, peak’ (no. 374).

249. *$g^{h}es$-/*$g^{h}os$- (*$g^{h}es$-$\underline{r}$- and *$g^{h}es$-$t^{h}o$-) ‘hand’ < Proto-Nostratic (vb.) *gas^{y}- ‘to touch, to feel, to handle’; (n.) *gas^{y}-a ‘hand’ (no. 375).

250. *$g^{h}et$’-/*$g^{h}ot$’-, (with nasal infix) *$g^{h}e$-n-t’- ‘to take (with the hand)’< Proto-Nostratic (vb.) *gat’- ‘to take (with the hand), to grasp’; (n.) *gat’-a ‘hand’ (no. 376).

251. *$g^{h}enu$- ‘jaw, cheek’ (Indo-Iranian only) < Proto-Nostratic (n.) *gen-a ‘jaw, cheek’ (no. 377).

252. *-g^{h}- pronominal base of unclear deictic function in (nom. sg.) *$ʔe$-g^{h}- ‘I’, (dat. sg.) *me-g^{h}- ‘to me’, etc. < Proto-Nostratic *gi- pronominal base of unclear deictic function (no. 379).

253. *$g^{h}eb^{h}$- ‘to give’ (Germanic only) < Proto-Nostratic (vb.) *gib- ‘to bestow upon, to give’; (n.) *gib-a ‘gift’ (no. 380).

254. *$g^{h}ed^{h}$- (secondary *o*-grade form: *$g^{h}od^{h}$-) ‘to force, drive, or press together; to join; to unite; to gather (together); to collect’ < Proto-Nostratic (vb.) *gid- or *gid- ‘to force, drive, or press together; to join; to unite; to gather (together); to collect’; (n.) *gid-a or *gid-a ‘force, compulsion; collection, heap; union’; (adj.) ‘pressed close together, near, united’ (no. 381).

255. *$g^{h}l$-ey-/*$g^{h}l$-oy-/*$g^{h}l$-i- ‘to glide, to slip, to slide’ < Proto-Nostratic (vb.) *gil- ‘to glide, to slip, to slide’; (n.) *gil-a ‘gliding, sliding’; (adj.) ‘smooth, slippery’ (no. 382).

256. *$g^{h}elHt$’-/*$g^{h}\underline{l}Ht$’- ‘ice, hail’ < Proto-Nostratic (vb.) *gil- ‘to freeze’; (n.) *gil-a ‘ice’ (no. 383).

257. (*g^h*en-*/)*g^h*n-* ‘to gnaw, to rub or scrape away, to pulverize, to grate’ < Proto-Nostratic (vb.) **gin-* ‘to grind, to pound, to break or crush into pieces’; (n.) **gin-a* ‘the act of grinding, pounding, crushing’ (no. 385).

258. *g^h*er-*/*g^h*r̥-* (secondary *o*-grade form: *g^h*or-*) ‘to gird, to enclose’ < Proto-Nostratic (vb.) **gir-* ‘to gird, to enclose’; (n.) **gir-a* ‘enclosure fence, wall’ (no. 386).

259. *g^h*r-eH-* (> *g^h*r-ē-*) ‘gray-haired, old’ < Proto-Nostratic (vb.) *gir^y*- ‘to be or become old’; (n.) *gir^y*-a* ‘old age, old person’; (adj.) ‘old’ (no. 387).

260. *g^h*r-ed^h*-/*g^h*r-od^h*-/*g^h*r̥-d^h*-, also *g^h*r-ey-d^h*-/*g^h*r-oy-d^h*-/*g^h*r-i-d^h*- ‘to walk, to step’ < Proto-Nostratic (vb.) *gir^y*- or *$\textit{gir}^y$*- ‘to move, to move swiftly, to hasten, to hurry; to run, to flow; to go, to walk’; (n.) *gir^y*-a* or *$\textit{gir}^y$*-a* ‘movement, flow, flux, step, course’ (no. 388).

261. *g^h*l-ent’o-s* ‘bank (of river), side, shore, valley’ < Proto-Nostratic (n.) **gol-a* ‘edge, corner, valley’ (no. 389).

262. (?) *g^h*ub^h*- ‘fire’ (Baltic only) < (vb.) **gub-* ‘to cook, to roast, to burn’; (n.) **gub-a* ‘the act of cooking; that which is used for cooking: pot, pan; stove, furnace’ (no. 391).

263. *gup^h*- > (through progressive voicing assimilation) *g^h*ub^h*- (secondary full-grade forms: *g^h*ewb^h*-/*g^h*owb^h*-) ‘to be extinguished, destroyed; to perish’ (Balto-Slavic and Anatolian only) < Proto-Nostratic (Eurasiatic only) (vb.) *gup^h*- ‘to extinguish; to be extinguished, to die out, to perish’; (n.) *gup^h*-a* ‘loss, destruction’ (no. 395).

264. *g^h*ur-* ‘to rumble, to roar, to growl, to gurgle’ < Proto-Nostratic (vb.) **gur-* ‘to rumble, to roar, to growl, to gurgle’; (n.) **gur-a* ‘rumbling, roaring, gurgling, growling noise or sound’ (onomatopoeic) (no. 396).

265. *g^h*or-*/*g^h*r̥-* ‘gut, cord’ < Proto-Nostratic (Eurasiatic only) (n.) (?) **gur-a* ‘gut, cord’ (no. 397).

266. *g^h*os-t^h*i-* (‘outsider’ >) ‘stranger’ > ‘guest’ < Proto-Nostratic (vb.) **gus-* ‘to go outside of or forth from; to make to go outside or forth from, to drive away, to chase away’; (n.) **gus-a* ‘outsider, stranger’ (no. 398).

267. *g^h*ow-* ‘to observe, to notice, to watch, to pay attention to, to heed, to be or become aware of’ < Proto-Nostratic (vb.) **guw-* ‘to observe, to notice, to watch, to pay attention to, to heed, to be or become aware of’; (n.) **guw-a* ‘observation, heed, awareness, attention, notice’ (no. 399).

268. *$g^hw\check{e}r$- ‘wild animal, wild beast’ < Proto-Nostratic (vb.) *guw- ‘to hunt wild animals’; (n.) *guw-a ‘wild animal, wild beast, game’; (adj.) ‘wild, untamed’; (extended form) (vb.) *guw-V-r- ‘to hunt wild animals’; (n.) *guw-r-a ‘wild animal, wild beast, game’; (adj.) ‘wild, untamed’ (no. 400).

PROTO-NOSTRATIC *k^h > PROTO-INDO-EUROPEAN *k^h

269. *-k^h- perfect (< stative) suffix found in Greek, Italic, and Tocharian; originally used only in the 1st person singular < Proto-Nostratic *k^ha- 1st person pronoun stem (stative) (no. 401).

270. *k^he-/*k^ho-, *k^hi- demonstrative pronoun stem: ‘this, that’ < Proto-Nostratic *k^ha-, *k^hi-, *k^hu- demonstrative pronoun stem (*k^ha- appears to have been proximate, *k^hi- intermediate, and *k^hu- distant) (no. 402).

271. *k^hab-ro- > (with progressive voicing assimilation) *k^hap^h-ro- ‘he-goat, buck’ < Proto-Nostratic (n.) *k^hab-a ‘he-goat, male-sheep, buck, ram’ (no. 403).

272. *k^hab- > (with progressive voicing assimilation and with laryngeal suffix as suggested by Mallory—Adams 1997:272 and Watkins 2000:43) *$k^h\check{a}p^h$-Ho- ‘hoof’ < Proto-Nostratic (n.) *k^hab-a ‘foot, hoof’ (no. 404).

273. *k^hel-/*k^hol-, *k^hal- ‘(vb.) to make a noise, to sound; to call out, to shout; (n.) noise, sound’ < Proto-Nostratic (vb.) *k^hal- ‘to make a noise, to sound; to call out, to shout’; (n.) *k^hal-a ‘noise, sound’ (no. 408).

274. *k^hel-/*k^hol- ‘to guard, to watch, to hold (back)’ < Proto-Nostratic (vb.) *k^hal- ‘to guard, to hold (back), to watch’; (n.) *k^hal-a ‘protection, care, support; restraint, detention, custody, hold’ (no. 409).

275. *k^holH-mo-/*$k^h\underset{\circ}{l}H$-mo- ‘reed, stalk, stem, haulm’ < Proto-Nostratic (n.) *k^hal^y-a ‘reed, stalk, stem, blade of grass, haulm’ (no. 411).

276. *k^hl-ep^h-/*k^hl-op^h- ‘to rob, to steal, to hide’ < Proto-Nostratic (vb.) *k^hal^y- ‘to rob, to steal, to hide’; (n.) *k^hal^y-a ‘theft’ (no. 412).

277. *k^hem-t^h-/*k^hom-t^h-/*$k^h\underset{\circ}{m}$-t^h- ‘(vb.) to seize, to grasp, to grip, to clutch; (n.) hand’ < Proto-Nostratic (vb.) *k^ham- or *q^ham- ‘to seize, to grasp, to grip, to clutch’; (n.) *k^ham-a or *q^ham-a ‘grip, hold, hand(ful); bond, fetter’ (no. 413).

278. *$k^h\underset{\circ}{m}H$- ‘to work, to toil, to labor’ < Proto-Nostratic (vb.) *k^ham- ‘to work, to labor, to toil; to do, to make’; (n.) *k^ham-a ‘work, labor, toil’ (no. 414).

279. *k^hem-/*k^hom-/*k^hm̥- ‘to gather together’ and *k^hom- ‘together, along with’ < Proto-Nostratic (vb.) *k^ham- ‘to gather together, to collect’; (adv.) ‘together, along with’; (n.) *k^ham-a ‘collection, assemblage, gathering’ (no. 415).

280. *k^hent^h-/*k^hont^h- ‘prick, point, spike’ < Proto-Nostratic (n.) *k^han^y-a ‘stem, stalk, stick’ (no. 416).

281. *k^hn̥H-k^ho- ‘honey, honey-colored’ < Proto-Nostratic (n.) *k^han^y-a ~ *k^hin^y-a ~ *k^hun^y-a ‘bee, honey’ (no. 417).

282. *k^han- ‘to make a noise, to sound’ < Proto-Nostratic (vb.) *k^haŋ- ‘to make a noise, to sound’; (n.) *k^haŋ-a ‘noise, (ringing or tinkling) sound’ (no. 418).

283. *k^hap^h- ‘to take, to seize’ < Proto-Nostratic (vb.) *k^hap^h- ‘to take, seize, or grasp with the hand; to press or squeeze with the hand’; (n.) *k^hap^h-a ‘hand’ (no. 419).

284. *k^hap^h- ‘bowl, cup, jar, container; head’ < Proto-Nostratic (n.) *k^hap^h-a ‘bowl, cup, jar, container; skull’ (no. 420).

285. *k^hap’- ‘to obtain’ (Germanic only) < (?) Proto-Nostratic (vb.) *k^hap’- ‘to buy; to pay back’; (n.) *k^hap’-a ‘recompense, tribute, pay-back’ (no. 421).

286. *k^her-/*k^hor-/*k^hr̥- ‘to cut off, to cut down’ < Proto-Nostratic (vb.) *k^har- ‘to cut, to cut into, to cut off’; (n.) *k^har-a ‘cut, incision’ (no. 422).

287. *k^her-/*k^hor-/*k^hr̥- ‘skin, hide; bark, rind’ < Proto-Nostratic (n.) *k^har-a ‘skin, hide; bark, rind’ (no. 423).

288. *k^her-/*k^hor-/*k^hr̥- and *(s)k^her-/*(s)k^hor-/*(s)k^hr̥- ‘to twist, turn, or wind around’ < Proto-Nostratic (vb.) *k^har- ‘to twist, turn, or wind around’; (n.) *k^har-a ‘ring, circle, curve’; (adj.) ‘round, curved, twisted’ (no. 424).

289. *k^her-/*k^hor-/*k^hr̥- ‘edge, shore, bank’ < Proto-Nostratic (n.) *k^har-a ‘edge, side, bank’ (no. 425).

290. *k^har- ‘hard, strong, firm’ < Proto-Nostratic (n.) *k^har-a ‘hardness, strength, firmness, fortitude’; (adj.) ‘hard, strong, firm’ (no. 426).

291. *k^har- ‘rough, hard, harsh’ < Proto-Nostratic (n.) *k^har-a ‘roughness, coarseness’; (adj.) ‘rough, coarse’ (no. 427).

292. *k^har-/*k^hr̥- ‘sharp, pungent’ < Proto-Nostratic (n.) *k^har-a ‘bitterness, pungency, harshness’; (adj.) ‘bitter, pungent, harsh, sharp, caustic, hot (of taste), acrid’ (no. 428).

293. (*k^h*ar-s-*/)*k^h*r̥-s-* ‘black, dark’ < Proto-Nostratic (n.) *k^h*ar-a* ‘blackness, darkness’; (adj.) ‘black, dark’ (no. 429).

294. *k^h*ert’-*/*k^h*r̥t’-* ‘heart’ < Proto-Nostratic (n.) *k^h*ar-a* ‘heart, core, essence’ (no. 430).

295. *k^h*es-*, *k^h*as-* ‘to cut’ < Proto-Nostratic (vb.) *k^h*as-* ‘to cut or break off, to divide, to separate’; (n.) *k^h*as-a* ‘cut, separation, division, break; cutting, clipping, piece, fragment, bit’ (no. 431).

296. *k^h*at^h-* ‘to plait, to weave, to twist’ < Proto-Nostratic (vb.) *k^h*at^h-* ‘to plait, to weave, to twist’; (n.) *k^h*at^h-a* ‘that which is plaited, woven, twisted: mat, net, knot’ (no. 432).

297. *k^h*at^h-* ‘rag, cloth’ (Germanic only) < Proto-Nostratic (n.) *k^h*at^h-a* ‘rag, cloth’ (no. 433).

298. *k^h*at^h-* ‘down, below, under, beneath; along, downwards’ < Proto-Nostratic (vb.) *k^h*at^h-* ‘to fall down, to set down, to drop down’; (n.) *k^h*at^h-a* ‘lower part, lower place, lower thing’; (adj.) ‘lower, inferior’; (particle) *k^h*at^h-* ‘down’ (no. 434).

299. *k^h*at^h-o-s* ‘harsh, shrill, sharp, piercing (of sounds)’ < Proto-Nostratic (vb.) *k^h*at^h-* ‘to make a harsh, shrill screech or sound: to cackle, to caw, to screech, to cry, to yelp’; (n.) *k^h*at^h-a* ‘cackling, cawing, screeching, crying, yelping’; (adj.) ‘harsh, shrill, sharp, piercing (of sounds)’ (no. 435).

300. *k^h*ew-*/*k^h*ow-*/*k^h*u-* ‘to swell, to expand, to inflate, to grow, to increase’ < Proto-Nostratic (vb.) *k^h*aw-* ‘to swell, to expand, to inflate, to grow, to increase’; (n.) *k^h*aw-a* ‘accumulation, inflation, expansion, growth; heap, pile; height’ (no. 436).

301. *k^h*ay-* (extended form *k^h*ay-wo-*) ‘alone’ < Proto-Nostratic (n.) *k^h*ay-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’; (extended form in Afrasian and Indo-European) (n.) *k^h*ay-w-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’ (no. 437).

302. *k^h*ey-*/*k^h*oy-*/*k^h*i-* ‘to lie, to be placed’ < Proto-Nostratic (vb.) *k^h*ay-* ‘to put, to place, to set, to lay; to be placed, to lie’; (n.) *k^h*ay-a* ‘resting place, abode, dwelling; cot, bed’ (no. 438).

303. *k^h*ay-* ‘(vb.) to heat; (n.) heat’ < Proto-Nostratic (vb.) *k^h*ay-* ‘to be or become warm or hot; to make warm, to heat’; (n.) *k^h*ay-a* ‘heat’ (no. 439).

304. *k^h*ay-w̥r-t^h*, *k^h*ay-wn̥-t^h* ‘cave, hollow’ < Proto-Nostratic (vb.) *k^h*ay-* ‘to scoop out’; (n.) *k^h*ay-a* ‘spoon, ladle’; (extended form) (vb.) *k^h*ay-V-w-* ‘to dig’; (n.) *k^h*ay-w-a* ‘cave, pit, hollow’ (no. 440).

305. *k^h*el-/*k^h*l̥-* (secondary *o*-grade form: *k^h*ol-*) ‘(vb.) to lift, to raise, to elevate; (n.) hill’ < Proto-Nostratic (vb.) *k^h*il^y-* ‘to rise, to ascend, to lift up’; (n.) *k^h*il^y-a* ‘hill, height’; (adj.) ‘raised, high’ (no. 442).

306. *k^h*er-/*k^h*r̥-* (secondary *o*-grade form: *k^h*or-*), *k^h*erH-/*k^h*r̥H-* ‘uppermost part (of anything): horn, head, skull, crown of head; tip, top, summit, peak; horned animal’ < Proto-Nostratic (n.) *k^h*ir-a* ‘uppermost part (of anything): horn, head, skull, crown of head; tip, top, summit, peak’ (no. 443).

307. *k^h*r-ew-/*k^h*r-ow-/*k^h*r-u-* ‘(vb.) to freeze, to form a crust; (n.) crust; coating of ice, frost’ < Proto-Nostratic (vb.) *k^h*ir-* ‘to freeze, to be cold’; (n.) *k^h*ir-a* ‘frost, cold’ (no. 444).

308. *k^h*onk’-* (secondary *e*-grade form: *k^h*enk’-*) ‘hook’ < Proto-Nostratic (vb.) *k^h*ok’-*, *k^h*on-V-k’-* ‘to be bent, curved, crooked’; (n.) *k^h*ok’-a*, *k^h*on-k’-a* ‘hook, clasp’; (adj.) ‘bent, curved, crooked’ (no. 447).

309. *k^h*l-ew-/*k^h*l-ow-/*k^h*l-u-* ‘to hear’, *k^h*l-ew-os* ‘fame, glory, renown’ < Proto-Nostratic (vb.) *k^h*ul-* ‘to hear, to listen’; (n.) *k^h*ul-a* ‘renown, fame; ear’ (no. 448).

310. *k^h*r-ew-H-/*k^h*r-ow-H-/*k^h*r-u-H-* (> *k^h*r-ū-*) ‘blood, gore’ < Proto-Nostratic (n.) *k^h*ur-a* ‘blood’ (no. 453).

311. *k^h*(u)wŏn-/*k^h*un-* ‘dog’ < Proto-Nostratic *k^h*uwan-a* or *k^h*un-a* originally a generic term meaning ‘young (especially of animals)’; later specialized as ‘young dog, puppy’ (as in Kannaḍa and Kolami [Dravidian]) and then simply ‘dog’ (no. 454).

PROTO-NOSTRATIC *k’ > PROTO-INDO-EUROPEAN *k’

312. *k’ak’-* ‘to cackle, to chatter’ < Proto-Nostratic (vb.) *k’ak’-* ‘to cackle, to chatter’; (n.) *k’ak’-a* ‘crackling sound’ (onomatopoeic) (no. 459).

313. *k’al-* ‘to (breast-)feed, to nourish, to satisfy’, *k’(a)lak^{h}t^h-* ‘nourishment, milk’ < Proto-Nostratic (vb.) *k’al-* ‘to feed, to nourish’; (n.) *k’al-a* ‘nourishment, sustenance, nutriment’ (no. 461).

314. *k’(e)l-* ‘rock, stone’ < Proto-Nostratic (n.) *k’al-a* ‘stone, rock’ (no. 462).

315. **k'el(H)-/*k'ol(H)-/*k'̥l(H)-* 'to burn, to scorch, to char' < Proto-Nostratic (vb.) **k'al-* 'to burn, to warm, to cook, to roast'; (n.) **k'al-a* 'cooking, roasting, baking; glowing embers' (no. 464).

316. **k'al-* 'pregnant, young of animals' < Proto-Nostratic (vb.) **k'al-* 'to come into being, to be born'; (n.) **k'al-a* 'existence, presence, appearance, birth' (no. 466).

317. **k'l-ew-b^{h}-/*k'l-ow-b^{h}-/*k'l-u-b^{h}-* 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out; to split or tear apart' < Proto-Nostratic (vb.) **k'al^{y}-* 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out'; (n.) **k'al^{y}-a* 'separation, removal, stripping off or away, etc.' (no. 467).

318. **k'al-wo-*, **k'al-Ho-* 'bald, bare, naked' < Proto-Nostratic (n.) **k'al^{y}-a* 'bald spot'; (adj.) 'bald, bare' (no. 468).

319. **k'en-/*k'on-/*k'̥ŋ-* 'to beget, to produce, to create, to bring forth' < Proto-Nostratic (vb.) **k'an-* 'to get, to acquire, to create, to produce, to beget'; (n.) **k'an-a* 'birth, offspring, child, produce'; (adj.) 'born, begotten, produced' (no. 469).

320. **k'en-u-* 'jaw, cheek' < Proto-Nostratic (n.) **k'an-a* 'jaw, cheek' (no. 470).

321. (**k'en-/*k'on-/*)**k'n-* 'to pound, to beat, to strike' < Proto-Nostratic (vb.) **k'an-* 'to pound, to beat, to strike'; (n.) **k'an-a* 'knock, strike, quaff, thump; mallet, club, cudgel, truncheon' (no. 472).

322. (**k'en-/*k'on-*)**k'n-* 'to bend, twist, turn, or tie together' < Proto-Nostratic (vb.) **k'aŋ-* 'to bend, twist, turn, or tie together'; (n.) **k'aŋ-a* 'wreath, rope, cord, fiber, tie, band, string' (no. 473).

323. (**k'en-/*k'on-/*)**k'n-* 'knot, knob' < Proto-Nostratic (n.) **k'aŋ-a* 'knot, knob, joint' (no. 474).

324. **k'en(H)-/*k'on(H)-/*k'̥ŋ(H)-*, **k'n-oH-* (> **k'nō-*) 'to perceive, to recognize, to know, to understand' < Proto-Nostratic (vb.) **k'an^{y}-* 'to observe, to perceive'; (n.) **k'an^{y}-a* 'that which observes, perceives: eye; perception, observation, recognition, comprehension' (no. 475).

325. **k'ep^{h}-/*k'op^{h}-* 'jaw, mouth' < Proto-Nostratic (n.) **k'ap^{h}-a* 'jaw, jawbone' (the Altaic cognates seem to point to Proto-Nostratic **k'ep^{h}-a*) (no. 476).

326. **k'er-/*k'or-/*k'r̥-* 'to call out to' < Proto-Nostratic (vb.) **k'ar-* 'to shout, to screech, to call (out to), to cry (out)'; (n.) **k'ar-a* 'call, cry, invocation, proclamation; roar, lamentation' (no. 479).

327. **k'r-u-k'o-s*, *-eA* [*-aA*] (> *-ā*) 'dirt, grime' < Proto-Nostratic (n.) **k'ar-a* 'blackness, darkness, obscurity; dark cloud, rainy weather; dirt, grime'; (adj.) 'dark, dark-colored; dirty, soiled' (no. 480).

328. **k'er-/*k'or-/*k'r-* '(vb.) to twist, to turn, to bend, to wind; to tie (together), to bind; (adj.) curved, bent, crooked; tied, bound; (n.) that which is tied or bound together: bunch, bundle' < Proto-Nostratic (vb.) **k'ar-* 'to twist, to turn, to bend, to wind; to tie (together), to bind'; (n.) **k'ar-a* 'that which is tied or bound together: bunch, bundle'; (adj.) 'curved, bent, crooked; tied, bound' (no. 481).

329. **k'er-/*k'or-/*k'r̥-* 'protuberance, lump, hump, breast' < Proto-Nostratic (n.) **k'ar-a* 'protuberance, lump, hump, breast' (no. 482).

330. **k'ew-/*k'ow-/*k'u-*, also **k'ewH-/*k'owH-/*k'uH-* (> **k'ū-*) '(adj.) bent, curved, round; (n.) any round object' < Proto-Nostratic (vb.) **k'aw-* 'to bend, twist, curve, or turn round; to rotate'; (n.) **k'aw-a* 'any round object'; (adj.) 'bent, curved, round' (no. 484).

331. **k'ow(H)-/*k'u(H)-* (or **k'aw[H]-/*k'u[H]-*) '(vb.) to take, to seize, to grasp, to hold; (n.) hand' < Proto-Nostratic (vb.) **k'aw-* 'to take, to seize, to grasp, to hold'; (n.) **k'aw-a* 'hand' (no. 485).

332. **k'elHowV-*, **k'̥lHōC-* 'husband's sister' < Proto-Nostratic (Eurasiatic only) (n.) **k'el-a* 'female in-law: husband's sister, sister-in-law; daughter-in-law' (no. 486).

333. **k'enu-/*k'nu-* (secondary *o*-grade form: **k'onu-*) 'knee, bend of the leg; angle' < Proto-Nostratic (n.) **k'enʸ-a* 'knot, joint' (no. 487).

334. **k'er(H)-/*k'or(H)-/*k'̥r(H)-* 'to decay, to wear out, to wither, to waste away, to become old' < Proto-Nostratic (Eurasiatic only) (vb.) **k'er-* 'to decay, to wear out, to wither, to waste away, to become old'; (n.) **k'er-a* 'old age, old person'; (adj.) 'decayed, worn out, withered, wasted, old' (no. 489).

335. **k'er-/*k'or-/*k'̥r-* 'to gather (together), to collect, to take a handful' < Proto-Nostratic (vb.) **k'er-* 'to gather, to collect; to take a handful, to pick, to pluck'; (n.) **k'er-a* 'collection, gathering, handful' (no. 490).

336. **k'er-/*k'or-/*k'̥r-* (extended form: **k'er-bʰ-/*k'or-bʰ-/*k'̥r-bʰ-*) 'to cut, to carve, to notch' < Proto-Nostratic (vb.) **k'ir-* or **k'ur-* 'to cut, to cut into, to

incise, to engrave, to notch; to cut off, to sever, to nip off, to clip; to cut in two, to split'; (n.) **k'ir-a* or **k'ur-a* 'cut, slit, notch; chip, piece cut off' (no. 491).

337. **k'er-/*k'or-/*k'r-* 'crane' < Proto-Nostratic (n.) **k'or-a* or **k'ar-a* 'crane' (no. 493).

338. **k^{h}os-t^{h}-* (< **k'os-t^{h}-* ?) 'rib, bone' < Proto-Nostratic (n.) **k'os-a* 'bone' (no. 494).

339. (**k'el-/*k'ol-/*)**k'l-* 'to lift, to raise, to pick up; to climb' (found only in derivatives, such as: **k'lemb^{h}-/*k'lomb^{h}-/*k'l̥mb^{h}-* 'to climb') < Proto-Nostratic (vb.) **k'ul-* 'to lift, to raise, to pick up; to rise, to ascend; to make high, to elevate'; (n.) **k'ul-a* 'highest point' (no. 498).

340. **k'ol-/*k'l̥-* (secondary *e*-grade form: **k'el-*) '(vb.) to be or become cold; to freeze; (n.) cold, coldness, chill, frost' < Proto-Nostratic (vb.) **k'ul^{y}-* 'to be or become cold; to freeze'; (n.) **k'ul^{y}-a* 'cold, coldness, chill, frost' (no. 499).

341. **k'om-/*k'm-* (secondary *e*-grade form: **k'em-*) 'to sigh, to weep, to lament, to moan, to groan' < Proto-Nostratic (vb.) **k'um-* 'to sigh, to weep, to lament, to moan, to groan'; (n.) **k'um-a* 'sigh, mourning, lamentation, moan, groan, roar, grumble' (no. 500).

342. **k'om-/*k'm-* (secondary *e*-grade form: **k'em-*) 'to press together; to seize, to grasp' < Proto-Nostratic (vb.) **k'um-* 'to seize, to grasp, to press together'; (n.) **k'um-a* 'heap, mass, lump, clump; pressure, compression' (no. 501).

343. **k'um-* 'a bent or curved object: hollow, cavity (> basin, bowl, trough; valley); knob, lump, hump; etc.' < Proto-Nostratic (vb.) **k'um-* 'to bend, to curve; to bend the head or body, to bow or stoop down'; (n.) **k'um-a* 'bend, curve; the act of bending, bowing, stooping'.

344. **k'un-k'o-s* 'rump, buttocks' < Proto-Nostratic (n.) **k'uŋ-a* 'buttocks, rump, anus' (no. 505).

PROTO-NOSTRATIC *g^{w} > PROTO-INDO-EUROPEAN *g^{wh}

345. **g^{wh}en-/*g^{wh}on-/*g^{wh}n̥-* '(vb.) to hit, to strike, to slay, to kill, to wound, to harm, to injure; (n.) strike, blow, wound' < Proto-Nostratic (vb.) **g^{w}an-* 'to hit, to strike, to slay, to kill, to wound, to harm, to injure'; (n.) **g^{w}an-a* 'strike, harm, injury' (no. 508).

346. *$g^{wh}en$-/*$g^{wh}on$- ‘to swell, to abound’ < Proto-Nostratic (vb.) *$g^{w}an$- ‘to swell, to abound’; (n.) *$g^{w}an$-*a* ‘swelling, abundance, large quantity, prosperity’ (no. 509).

347. *$g^{wh}er$-/*$g^{wh}r̥$- (secondary *o*-grade form: *$g^{wh}or$-) ‘(vb.) to burn, to be hot; (n.) heat, fire’ < Proto-Nostratic (vb.) *$g^{w}ir$- ‘to be or become hot, to warm’; (n.) *$g^{w}ir$-*a* ‘heat, fire’ (no. 511).

PROTO-NOSTRATIC *k^{w} > PROTO-INDO-EUROPEAN *k^{wh}

348. *$k^{wh}e$ intensifying and conjoining particle: ‘moreover, and, also, etc.’ < Proto-Nostratic *$k^{wh}a$- post-positional intensifying and conjoining particle (no. 512).

349. *$k^{wh}el$-/*$k^{wh}ol$-/*$k^{wh}l̥$- ‘to go, to walk, to move about’ < Proto-Nostratic (vb.) *$k^{wh}al$- ‘to go, to walk, to move about’; (n.) *$k^{wh}al$-*a* ‘walking, walk, wandering, roaming’ (no. 513).

350. *$k^{wh}el$-/*$k^{wh}ol$-/*$k^{wh}l̥$- ‘to revolve, to go around, to roll’ < Proto-Nostratic (vb.) *$k^{wh}al$- ‘to revolve, to go around, to roll’; (n.) *$k^{wh}al$-*a* ‘circle, circuit’ (no. 514).

351. *$k^{wh}elo$-, *$k^{wh}olo$-, (reduplicated) *$k^{wh}e$-$k^{wh}lo$-, *$k^{wh}o$-$k^{wh}lo$- ‘wheel’ < Proto-Nostratic (n.) *$k^{wh}al$-*a* ‘that which turns, rolls, revolves, or goes round and round’ (> ‘wheel’ in the daughter languages) (no. 515).

352. *$k^{wh}el$-/*$k^{wh}ol$-/*$k^{wh}l̥$- ‘to bring to an end’ < Proto-Nostratic (vb.) *$k^{wh}al$- ‘to end, to come to an end; to bring to an end, to finish, to complete’; (n.) *$k^{wh}al$-*a* ‘end, finish, completion, fulfillment’ (no. 516).

353. *$k^{wh}el$- ‘far off, far away, distant’ < Proto-Nostratic (Eurasiatic only) (adv.) (?) *$k^{wh}al$- ‘far off, far away, distant’ (no. 517).

354. *$k^{wh}alo$- ‘large fish’ < Proto-Nostratic (n.) *$k^{wh}al$-*a* ‘a large fish’ (no. 518).

355. *$k^{wh}er$-/*$k^{wh}or$-/*$k^{wh}r̥$- ‘to cut’ < Proto-Nostratic (vb.) *$k^{wh}ar$- ‘to cut’; (n.) *$k^{wh}ar$-*a* ‘piece cut off; knife’ (no. 519).

356. *$k^{wh}er$-/*$k^{wh}or$-/*$k^{wh}r̥$- ‘(vb.) to draw or make furrows, to plow; (n.) furrow’ < Proto-Nostratic (vb.) *$k^{wh}ar$- ‘to cut a groove, to hollow out, to dig’; (n.) *$k^{wh}ar$-*a* ‘cut, hole, hollow, digging, excavation, pit, groove, trench’ (no. 520).

357. *$k^{wh}er$-/*$k^{wh}or$- ‘vessel, pot’ < Proto-Nostratic (n.) *$k^{wh}ar$-*a* ‘vessel, pot’ (no. 522).

358. *k^{wh}*rey(H)-*/*k^{wh}*roy(H)-*/*k^{wh}*ri(H)-* (> *k^{wh}*rī-*) ‘to buy, to purchase’ < Proto-Nostratic (vb.) *k^{wh}*ar-* ‘to procure’; (n.) *k^{wh}*ar-a* ‘payment, procurement’ (no. 523).

359. *k^{wh}*at^{h}-* ‘to move, to shake’ < Proto-Nostratic (vb.) *k^{wh}*at^{h}-* ‘to move rapidly, to shake’; (n.) *k^{wh}*at^{h}-a* ‘rapid movement, shaking’ (no. 520).

360. *k^{wh}*ay-* ‘when, as, though, also’ < Proto-Nostratic *k^{wh}*ay-* ‘when, as, though, also’ (no. 525).

361. *k^{wh}*ey-*/*k^{wh}*oy-*/*k^{wh}*i-* ‘(vb.) to repay in kind, to return like for like; (n.) payment, repayment’ < Proto-Nostratic (vb.) *k^{wh}*ey-* ‘to repay in kind, to return an equal measure’; (n.) *k^{wh}*ey-a* ‘payment, repayment’ (no. 526).

362. *k^{wh}*ey-*/*k^{wh}*i-* (secondary *o*-grade form: *k^{wh}*oy-*) ‘to do, to make, to create; to form, to fashion’ < Proto-Nostratic (vb.) *k^{wh}*ey-* ‘to do, to make, to create; to form, to fashion’; (n.) *k^{wh}*ey-a* ‘act, deed, creation’ (no. 527).

363. *k^{wh}*e-*/*k^{wh}*o-*, *k^{wh}*i-* stem of interrogative and relative pronouns < Proto-Nostratic *k^{wh}*i-* relative pronoun stem, *k^{wh}*a-* interrogative pronoun stem (no. 528).

364. *k^{wh}*er-*/*k^{wh}*$\underset{\circ}{r}$-* (secondary *o*-grade form: *k^{wh}*or-*) ‘to do, to make, to build’ < Proto-Nostratic (vb.) *k^{wh}*ir-* ‘to twist or twine together, to tie together, to bind, to fasten’; (n.) *k^{wh}*ir-a* ‘twist, tie, bundle, rope; the act of twisting or twining together: work, craft, act, action’ (no. 529).

365. *k^{wh}*rep^{h}-*/*k^{wh}*$\underset{\circ}{r}$p^{h}-* ‘body, belly’ < Proto-Nostratic (n.) (?) *k^{wh}*ur-a* ‘body, belly’ (no. 530).

366. *k^{wh}*$\underset{\circ}{r}$-mi-* ‘worm’ and *k^{wh}*$\underset{\circ}{r}$-wi-* ‘worm’ < Proto-Nostratic (n.) *k^{wh}*ur-a* ‘worm, grub, maggot, insect’ (no. 531).

PROTO-NOSTRATIC *k’^{w} > PROTO-INDO-EUROPEAN *k’^{w}

367. *$k’^{w}$*ed^{h}-*/*$k’^{w}$*od^{h}-* ‘to strike, to beat, to smash’ < Proto-Nostratic (vb.) *$k’^{w}$*ad-* ‘to strike, to beat, to smash, to pound’; (n.) *$k’^{w}$*ad-a* ‘knock, stroke, thrust’ (no. 532).

368. *$k’^{w}$*e$\underset{\smile}{ħh}$-d^{h}-* [*$k’^{w}$*a$\underset{\smile}{ħh}$-d^{h}-*] (> *$k’^{w}$*ād^{h}-*) ‘to push or press in, to dive or plunge into’ < Proto-Nostratic (vb.) *$k’^{w}$*aħ-* ‘to hit, to strike, to beat, to pound; to push or press in’; (n.) *$k’^{w}$*aħ-a* ‘club, cudgel’; (adj.) ‘hit, beaten, pounded, pushed or pressed together, crammed, filled’ (no. 534).

369. **k'ʷel-/*k'ʷol-/*k'ʷl̥-* 'to go, to follow' (Tocharian only) < Proto-Nostratic (vb.) **k'ʷal-* 'to go: to go away from, to go after or behind'; (n.) **k'ʷal-a* 'track, way' (no. 535).

370. **k'ʷel(H)-/*k'ʷol(H)-/*k'ʷl̥(H)-* 'to gush forth, to overflow; to flow, to leak, to ooze, to drip, to trickle' < Proto-Nostratic (vb.) **k'ʷalʸ-* 'to gush forth, to overflow; to flow, to leak, to ooze, to drip, to trickle'; (n.) **k'ʷalʸ-a* 'gush, flow, drip, trickle; river, stream, spring' (no. 536).

371. **k'ʷen-* 'woman, wife, female' < Proto-Nostratic (n.) **k'ʷan-a* 'woman, wife' (no. 539).

372. **k'ʷer-/*k'ʷor-/*k'ʷr̥-* 'gentle, mild, calm, at rest, still' < Proto-Nostratic (vb.) **k'ʷar-* 'to rest, to stay, to remain'; (n.) **k'ʷar-a* 'stillness, quietude, repose, rest, resting place'; (adj.) 'still, quiet, at rest' (no. 541).

373. **k'ʷerAn-/*k'ʷr̥An-*, **k'ʷreAn-* [**k'ʷraAn-*] (> **k'ʷrān-*), **k'ʷreAwn̥-* [**k'ʷraAwn̥-*] (> **k'ʷrāwn̥-*) 'mill, millstone' < Proto-Nostratic (vb.) **k'ʷar-* 'to crush, to grind'; (n.) **k'ʷar-a* 'grinding pestle, grinding stone; stone, rock' (no. 542).

374. **k'ʷerbʰ-/*k'ʷorbʰ-*, **k'ʷrebʰ-* 'the inside, the middle, interior, inward part' < Proto-Nostratic (n.) **k'ʷar-b-a* 'the inside, the middle, interior, inward part' (no. 543).

375. (?) **k'ʷer-/*k'ʷor-/*k'ʷr̥-* 'to thunder, to rumble, to roar' < Proto-Nostratic (vb.) **k'ʷarʸ-* 'to thunder, to rumble'; (n.) **k'ʷarʸ-a* 'rain, storm, stormy weather, thunderstorm' (no. 544).

376. **k'ʷes-/*k'ʷos-* 'to extinguish, to put out (originally, of fire)' < Proto-Nostratic (vb.) **k'ʷas-* 'to strike fire, to put out (fire)'; (n.) **k'ʷas-a* 'spark, fire' (no. 545).

377. **k'ʷes-/*k'ʷos-* 'to sigh, to moan, to groan; to whisper' (Germanic only) < Proto-Nostratic (vb.) **k'ʷas-* 'to sigh, to moan, to groan; to whisper, to murmur, to mumble'; (n.) **k'ʷas-a* 'sigh, moan, groan, whisper, murmur, mumble' (onomatopoeic) (no. 546).

378. **k'ʷat'-/*k'ʷat'-* > (with regressive deglottalization) *kʷʰet'-/*kʷʰot'-* '(vb.) to burn, to smoke, to smolder; (n.) smoke' < Proto-Nostratic (vb.) **k'ʷat'-* 'to burn, to smolder, to smoke'; (n.) **k'ʷat'-a* 'burning, heat, smoke' (no. 547).

379. **k'ʷat'-/*k'ʷat'-* > (with regressive deglottalization) **kʷʰet'-/*kʷʰot'-* 'to whet, to sharpen' < Proto-Nostratic (vb.) **k'ʷat'-* 'to cut'; (n.) **k'ʷat'-a* 'knife, cutting instrument'; (adj.) 'sharp' (no. 548).

380. **k'ʷĕdʰ-/*k'ʷŏdʰ-* ‘rotten, bad, repulsive’ < Proto-Nostratic (vb.) **k'ʷed-* ‘to destroy, to damage, to ruin; to decay, to rot, to spoil’; (n.) **k'ʷed-a* ‘death, destruction, damage, ruin, decay’ (no. 549).

381. **k'ʷey-/*k'ʷi-* ‘to be putrid, purulent’ < Proto-Nostratic (vb.) **k'ʷiy-* ‘to be putrid, purulent’; (n.) **k'ʷiy-a* ‘pus’ (no. 550).

382. **k'ʷŏw-* ‘bullock, ox, cow’ < Proto-Nostratic (n.) **k'ʷow-a* ‘bullock, ox, cow’ (no. 551).

383. **k'ʷoyH-/*k'ʷiH-* (secondary *e*-grade form: **k'ʷeyH-*) ‘skin, hide, leather’ < Proto-Nostratic (Eurasiatic only) (n.) **k'ʷoy-a* ‘outer covering: skin, hide, leather; bark (of a tree), shell, crust’ (no. 552).

384. **k'ʷor(H)-/*k'ʷr̥(H)-* (secondary *e*-grade form: **k'ʷer(H)-*) ‘heavy, weighty’ < Proto-Nostratic (vb.) **k'ʷurʸ-* ‘to be heavy, weighty, solid, bulky’; (n.) **k'ʷurʸ-a* ‘heaviness, weight, solidity, thickness’; (adj.) ‘heavy, weighty, solid, bulky’ (no. 553).

PROTO-NOSTRATIC *ɢ > PROTO-INDO-EUROPEAN *gʰ

385. (?) (**gʰel-/*gʰor-/)*gʰl-* ‘brook, stream, rivulet’ (Old Irish only) < Proto-Nostratic (vb.) **ɢal-* ‘to flow’; (n.) **ɢal-a* ‘ravine, gully, watercourse, river’ (no. 556).

386. **gʰer-/*gʰor-/*gʰr̥-* ‘to growl, to wail, to weep, to cry (out)’ < Proto-Nostratic (vb.) **ɢar-* ‘to mutter, to groan, to grumble, to howl, to roar’; (n.) **ɢar-a* ‘groan, howl, murmur, roar, cry’ (no. 559).

387. **gʰr-en-t'-/*gʰr-on-t'-* ‘to grind’ and **gʰr-en-dʰ-/*gʰr-on-dʰ-* ‘to grind’ < Proto-Nostratic (vb.) **ɢar-* ‘to crush, to grate, to grind; to melt, to dissolve’; (n.) **ɢar-a* ‘the act of crushing, grating, grinding’; (adj.) ‘crushed, grated, ground, dissolved, melted, softened’ (no. 560).

388. **gʰrendʰo-s* ‘bar, pole, shaft’ < Proto-Nostratic (n.) **ɢarʸ-a* ‘stick, staff, rod, pole, stalk, stem’ (no. 562).

389. **gʰel-/*gʰl̥-* (secondary *o*-grade form: **gʰol-*) ‘to shine, to glisten’ < Proto-Nostratic (Eurasiatic only) (vb.) **ɢil-* ‘to shine, to glisten’; (n.) **ɢil-a* ‘brilliance, shine’; (adj.) ‘shining, glistening, gleaming, brilliant’ (no. 567).

PROTO-NOSTRATIC *qʰ > PROTO-INDO-EUROPEAN *kʰ

390. *k^hel-/*k^hol-, *k^hal- ‘to strike, to wound, to injure’ < Proto-Nostratic (vb.) *q^hal- ‘to strike, to split, to cut, to wound, to injure’; (n.) *q^hal-*a* ‘stroke, blow, wound, cut, slash, damage, injury’ (no. 571).

391. *k^hem-/*k^hom- ‘to cover, to conceal’ < Proto-Nostratic (vb.) *q^ham- ‘to cover, to conceal’; (n.) *q^ham-*a* ‘covering’ (no. 572).

392. *k^her-/*k^hor-/*k^hr- ‘(vb.) to make a rasping sound, to be hoarse; to creak, to croak; (n.) neck, throat’ < Proto-Nostratic (vb.) *q^har^y- ‘to make a rasping sound, to be hoarse; to creak, to croak’; (n.) *q^har^y-*a* ‘neck, throat’ (no. 573).

393. *k^hat^h- ‘to fight’ < Proto-Nostratic (vb.) *q^hat^h- ‘to beat, to strike, to fight’; (n.) *q^hat^h-*a* ‘anger, fury, wrath, spite; fight, battle, quarrel; killing, slaughter’ (no. 574).

PROTO-NOSTRATIC *q’ > PROTO-INDO-EUROPEAN *k’

394. *k’eb^h-/*k’ob^h- ‘(vb.) to munch, to chew’; (n.) ‘jaw’ < Proto-Nostratic (n.) *q’ab-*a* ‘jaw’ (no. 576).

395. *k’el- ‘to shine, to be bright; to make bright’ (extended form *k’leHy-) < Proto-Nostratic (vb.) *q’al- or *q’el- ‘to glitter, to sparkle, to shine, to be or become bright; to make bright’; (n.) *q’al-*a* or *q’el-*a* ‘any bright, shining object: star’ (no. 577).

396. *k’el-t^h-/*k’l̥-t^h- ‘vulva, womb’ < Proto-Nostratic (n.) *q’al^y-*a* ‘sexual organs, genitals, private parts (male or female)’ (no. 578).

397. *k’em-b^h-/*k’om-b^h-/*k’m̥-b^h- ‘to chew (up), to bite, to cut to pieces, to crush’, *k’om-b^{h}o-*s* ‘tooth, spike, nail’ < Proto-Nostratic (vb.) *q’am- ‘to crush, to grind; to chew, to bite, to eat’; (n.) *q’am-*a* ‘bite; tooth’ (no. 579).

398. (?) (*k’ew-lo-*s*/)*k’u-lo-*s* ‘head, top, summit, peak’ (Proto-Germanic *kullaz) < Proto-Nostratic (n.) *q’aw-*a* ‘head, forehead, brow’ (no. 582).

399. *k’el-/*k’l̥- ‘(n.) neck, throat; (vb.) to swallow’ < Proto-Nostratic (vb.) *q’el- ‘to swallow’; (n.) *q’el-*a* ‘neck, throat’ (no. 583).

PROTO-NOSTRATIC *q'^{w} > PROTO-INDO-EUROPEAN *k'^{w}

400. **k'^{w}l-eA-* [**k'^{w}l-aA-*] (> **k'^{w}l-ā-*) 'wailing, crying' < Proto-Nostratic (vb.) **q'^{w}al-* 'to call (out), to cry (out), to shout'; (n.) **q'^{w}al-a* 'call, cry, outcry, sound, noise, hubbub, uproar' (no. 588).

401. **k'^{w}el-/*k'^{w}ol-/*k'^{w}l̥-* 'to strike, to hit, to cut, to hurt, to wound, to slay, to kill' < Proto-Nostratic (vb.) **q'^{w}al-* 'to strike, to hit, to cut, to hurt, to wound, to slay, to kill'; (n.) **q'^{w}al-a* 'killing, murder, manslaughter, destruction, death' (no. 589).

402. **k'^{w}el-/*k'^{w}ol-/*k'^{w}l̥-* 'to throw, to hurl' < Proto-Nostratic (vb.) **q'^{w}al-* or **k'^{w}al-* 'to throw, to hurl'; (n.) **q'^{w}al-a* or **k'^{w}al-a* 'sling, club; throwing, hurling' (no. 590).

403. **k'^{w}er-/*k'^{w}or-/*k'^{w}r̥-* 'hill, mountain, peak' < Proto-Nostratic (n.) **q'^{w}ar-a* 'edge, point, tip, peak' (no. 591).

404. **k'^{w}er-/*k'^{w}or-/*k'^{w}r̥-* 'to make a sound, to call, to call out, to praise' and **k'^{w}erd^{h}-/*k'^{w}ord^{h}-/*k'^{w}r̥d^{h}-* 'to call out, to cry out' < Proto-Nostratic (vb.) **q'^{w}ar-* or **q'^{w}ur-* 'to call out, to cry out'; (n.) **q'^{w}ar-a* or **q'^{w}ur-a* 'call, cry, shout' (no. 592).

405. (?) (**k'^{w}erH-/*k'^{w}orH-/*)*k'^{w}r̥H-* 'to hear' < Proto-Nostratic (vb.) **q'^{w}ar^{y}-* or **q'^{w}ur^{y}-* 'to hear'; (n.) **q'^{w}ar^{y}-a* or **q'^{w}ur^{y}-a* 'ear' (no. 593).

406. **k'^{w}et^{h}-/*k'^{w}ot^{h}-* 'to say, to speak, to call' < Proto-Nostratic (Eurasiatic only) (vb.) **q'^{w}at^{yh}-* 'to say, to speak, to call'; (n.) **q'^{w}at^{yh}-a* 'call, invocation, invitation, summons' (no. 594).

407. **k'^{w}or-/*k'^{w}r̥-* (secondary *e*-grade form: **k'^{w}er-*) '(vb.) to swallow; (n.) neck, throat' < Proto-Nostratic (vb.) **q'^{w}ur-* 'to swallow'; (n.) **q'^{w}ur-a* 'neck, throat' (no. 595).

PROTO-NOSTRATIC *t͡ɬ^{h} > PROTO-INDO-EUROPEAN *k^{h}

408. **k^{h}aɦ-k'-* (> **k^{h}āk'-*) '(young) goat, kid' < Proto-Nostratic (n.) **t͡ɬ^{h}aɦ-a* '(young) sheep or goat' (no. 596).

409. **k^{h}ak^{wh}-* 'spike, prong' (perhaps also Proto-Indo-European **k^{h}ăk^{h}H-* [better ? **k^{h}ăk^{wh}H-*] 'branch, bough') < Proto-Nostratic (vb.) **t͡ɬ^{h}ak^{wh}-* 'to prick, to pierce, to stab'; (n.) **t͡ɬ^{h}ak^{wh}-a* 'stab, thrust, jab; thorn, spike, prong, barb' (no. 597).

410. *k^hor-mo- ‘injury, harm, suffering’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}^h$ar- ‘to cause harm, to injure, to cause strife’; (n.) *$t\underset{\smile}{ɬ}^h$ar-*a* ‘injury, harm, strife’ (no. 599).

411. *k^hert’- ‘(vb.) to cut into, to make incisions, to carve; (n.) craft, trade; craftsman, artisan’ < Proto-Nostratic (extended form) (vb.) *$t\underset{\smile}{ɬ}^h$ar-*V*-*t’*- ‘to cut into, to make incisions’; (n.) *$t\underset{\smile}{ɬ}^h$ar-*t’*-*a* ‘scratch, incision’ (no. 601).

412. *k^hey-/*k^hoy-/*k^hi- ‘gray-haired, old’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}^h$ay- ‘to grow old, to turn gray (hair)’; (n.) *$t\underset{\smile}{ɬ}^h$ay-*a* ‘old age, gray hair’ (no. 602).

413. *k^her-/*$k^h\underset{\circ}{r}$- (secondary *o*-grade form: *k^hor-) ‘to burn, to roast’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}^h$er- ‘to burn, to roast’; (n.) *$t\underset{\smile}{ɬ}^h$er-*a* ‘ash(es), charcoal, burnt wood; firewood’; (adj.) ‘burned, heated, roasted, charred, parched’ (no. 603).

414. *k^hi$\underset{\smile}{ʕ}$ir- [*k^he$\underset{\smile}{ʕ}$ir-] (> *k^hēr-) ‘hair’ < Proto-Nostratic (n.) *$t\underset{\smile}{ɬ}^h$iʕ-*r*-*a* ‘hair’ (the original meaning of the extended verb stem *$t\underset{\smile}{ɬ}^h$iʕ-*V*-*r*- may have been ‘to scratch, to scrape’ > ‘to comb [hair]’) (no. 604).

415. *k^hreyH-/*k^hriH- (> *k^hrī-) ‘(adj.) better, superior, glorious, illustrious; (n.) high rank’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}^h$ir- ‘to be highly esteemed, eminent, illustrious, glorious’; (n.) *$t\underset{\smile}{ɬ}^h$ir-*a* ‘high rank, chief, chieftain, ruler’ (no. 606).

416. *k^honk^h- ‘(vb.) to hook up, to hang up; (n.) peg, hook’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}^h$uŋ-*V*-k^h- ‘to hook up, to hang up, to suspend (tr.); to dangle, to hang (intr.)’; (n.) *$t\underset{\smile}{ɬ}^h$uŋ-k^h-*a* ‘peg, hook’ (no. 607).

PROTO-NOSTRATIC *t$\underset{\smile}{ɬ}$’ > PROTO-INDO-EUROPEAN *k’

417. *k’ras- ‘to bite, to gnaw, to eat’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}$’ar- ‘to bite, to gnaw’; (n.) *$t\underset{\smile}{ɬ}$’ar-*a* ‘bite’; (extended form in Semitic and Indo-European) (vb.) *$t\underset{\smile}{ɬ}$’ar-*V*-*s*- ‘to bite, to gnaw’; (n.) *$t\underset{\smile}{ɬ}$’ar-*s*-*a* ‘tooth; food, nourishment’ (no. 609).

418. *k’el-/*kl- ‘bent, curved, round’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}$’il- ‘to be bent, curved, round’; (n.) *$t\underset{\smile}{ɬ}$’il-*a* ‘bent, curved, round thing or object’; (adj.) ‘bent, curved, round’ (no. 610).

419. *k’em-/*k’$\underset{\circ}{m}$- (secondary *o*-grade form: *k’om-) ‘(vb.) to join together, to unite (in marriage); to wed, to marry; (n.) the one who is married, son-in-law’ < Proto-Nostratic (vb.) *$t\underset{\smile}{ɬ}$’im- ‘to join, bind, press, or unite together’; (n.) *$t\underset{\smile}{ɬ}$’im-*a* ‘bond, tie, union, connection’; (adj.) ‘joined, bound, pressed, or united together; tied, harnessed, glued, etc.’ (no. 611).

PROTO-NOSTRATIC *ʔ > PROTO-INDO-EUROPEAN *ʔ

420. **ʔe-* in: **ʔe+k'-*, **ʔe+g^h-*, **ʔe+k^h-* 1st singular personal pronoun stem: 'I' < Proto-Nostratic **ʔa-*, **ʔi-* 1st singular personal pronoun stem (no doubt originally the same as the deictic particles **ʔa-*, **ʔi-* listed below) (no. 613).

421. **ʔe-/*ʔo-*, **ʔey-/*ʔoy-/*ʔi-* (< **ʔe-/*ʔo-* + **y/i-*) demonstrative stem, *-*i* deictic particle meaning 'here and now' added to verbs to form so-called "primary" endings, and adverbial particle **ʔĕ-/*ʔŏ-* 'near, by, together with' < Proto-Nostratic demonstrative stems: (A) **ʔa-* distant: 'that yonder (most remote, farthest away from the speaker)', (B) **ʔi-* proximate: 'this (nearest to the speaker)', and (C) **ʔu-* intermediate: 'that (neither too far from nor too near to the speaker)' (originally deictic particles) (no. 614).

422. **ʔab^h-ro-* 'strong, powerful, mighty' < Proto-Nostratic (n.) **ʔab-a* 'strength, power'; (adj.) 'strong, mighty' (no. 615).

423. **ʔab^h-* 'father, forefather, man' and **ʔap^{h}p^{h}a* 'father' < Proto-Nostratic (n.) **ʔab(b)a* ~ **ʔap^h(p^h)a* 'father, forefather' (nursery word) (no. 616).

424. **ʔed^h-/*ʔod^h-* 'pointed, sharp, prickly' < Proto-Nostratic (n.) **ʔad^y-a* 'thorn'; (adj.) 'pointed, sharp, prickly' (no. 618).

425. **ʔak^h-* 'to eat' < Proto-Nostratic (vb.) **ʔak^h-* 'to eat'; (n.) **ʔak^h-a* 'food, meal; fodder, feed, morsel' (no. 621).

426. **ʔak^h-* 'evil, pain, trouble, misfortune' < Proto-Nostratic (vb.) **ʔak^h-* 'to be evil, wicked, bad; to hurt, to harm'; (n.) **ʔak^h-a* 'evil, wickedness, harm' (no. 622).

427. **ʔok^h-* '(vb.) to dig; (n.) furrow' < Proto-Nostratic (vb.) **ʔak^h-* 'to dig'; (n.) **ʔak^h-a* 'that which is dug: digging, ditch, trench, hole; that which is used to dig: carving tool, chisel, cutter, gouge' (no. 623).

428. **ʔak^{h}k^h-eA* [**ʔak^{h}k^h-aA*] > (**ʔak^{h}k^{h}ā*) (f.) 'female relative, mother' < Proto-Nostratic (n.) **ʔak^{h}k^{h}a* 'older female relative' (nursery word) (also **ʔak^{h}k^{h}a* 'older male relative') (no. 624).

429. (?) **(ʔ)le-* 'not' (Hittite only) < Proto-Nostratic (vb.) **ʔal-* 'to be not so-and-so or such-and-such'; (n.) **ʔal-a* 'nothing' (originally a negative verb stem meaning 'to be not so-and-so or such-and-such' — later used in some branches as a negative particle) (no. 628).

430. **ʔem-/*ʔm̥-* ‘to take, to obtain’ < Proto-Nostratic (vb.) **ʔam-* ‘to seize, to grasp, to take, to touch, to hold (closely or tightly)’; (n.) **ʔam-a* ‘grasp, hold, hand(ful)’; (adj.) ‘seized, grasped, touched, held, obtained’ (no. 629).

431. **ʔam-o-*; **ʔam-s-tero-*, *-ā* ‘time, moment’ (Celtic only) < Proto-Nostratic (n.) **ʔam-a* ‘time, moment, point of time, now’ (no. 630).

432. **ʔam(m)a* ‘mother’ < Proto-Nostratic (n.) **ʔam(m)a* ‘mother’ (nursery word) (no. 631).

433. **ʔen-os-/*ʔon-os-* ‘load, burden’ < Proto-Nostratic (vb.) **ʔan-* ‘to load up and go, to send off’; (n.) **ʔan-a* ‘load, burden’ (no. 632).

434. **ʔen-o-s* (‘span of time’ >) ‘year’ < Proto-Nostratic (vb.) **ʔan^{y}-* ‘to draw near to, to approach, to come (close to)’; (n.) **ʔan^{y}-a* ‘nearness, proximity’ (no. 634).

435. **ʔan-* ‘to, towards, over, for, against, upon, on’ < Proto-Nostratic **ʔan^{y}-* ‘to, towards, over, for, against, upon, on’ (no. 635).

436. **ʔan-* ‘separate, different’ in: **ʔan-yo-s* ‘other, different’, **ʔan-t^{h}ero-s* ‘different’ < Proto-Nostratic (vb.) **ʔaŋ-* ‘to divide, to separate’; (n.) **ʔaŋ-a* ‘separation, difference’; (adj.) ‘separate, different’ (no. 637).

437. **ʔan(n)o-s*, **ʔan(n)i-s*, **ʔan(n)a* ‘mother’ < Proto-Nostratic (n.) **ʔan^{y}a* ‘mother, aunt’ (nursery word) (no. 636) or < Proto-Nostratic (n.) **ʔaŋ(ŋ)a* ‘(older) female relative’ (nursery word) (no. 638).

438. **ʔep^{h}i/*ʔop^{h}i* (zero-grade form: **p^{h}i*) ‘and, also, and also, besides, moreover’ < Proto-Nostratic **ʔap^{h}-* ‘and, also, and also’ (the *CVC*- patterning shows that this could not originally have been a particle; though the original meaning is unknown, we may speculate that it may have been something like [vb.] **ʔap^{h}-* ‘to be more, over, above, extra’; [n.] **ʔap^{h}-a* ‘that which is more, over, above, extra’; [adj.] ‘many, more, extra, additional, numerous, teeming’) (no. 640)

439. **ʔer-d^{h}-/*ʔor-d^{h}-/*ʔr̥-d^{h}-* ‘to split, to divide, to separate’ < Proto-Nostratic (vb.) **ʔar-* ‘to cut (off, apart), to sever, to separate, to part asunder’; (n.) **ʔar-a* ‘half, side, part’; (adj.) ‘severed, separated, parted, disjoined’ (no. 641).

440. **ʔer-s-/*ʔr̥-s-* ‘male, man’ < Proto-Nostratic (n.) **ʔar-a* ‘male, man, husband’ (no. 642).

441. **ʔer-/*ʔor-/*ʔr̥-* ‘associated, related’ < Proto-Nostratic (n.) **ʔar-a* ‘associated or related person or thing; associate, companion, friend; kinsman’; (adj.) ‘associated, related’ (no. 643).

442. *ʔer-/*ʔor-/*ʔr̥- used as the base for the designation of various horned animals: ‘ram, goat’ < Proto-Nostratic (n.) *ʔar-a used as the base for the designation of various horned animals: ‘ram, goat, mountain-goat, chamois, ibex, gazelle, etc.’ (no. 644).

443. *ʔes-/*ʔos- ‘harvest-time’ < Proto-Nostratic (vb.) *ʔas- ‘to gather, to collect’; (n.) *ʔas-a ‘the act of gathering’ (no. 645).

444. *ʔĕs-/*ʔŏs- ‘to put, to place, to set; to sit, to be seated’ < Proto-Nostratic (vb.) *ʔasʸ- ‘to put, to place, to set; to sit, to be seated’; (n.) *ʔasʸ-a ‘place, seat’; (adj.) ‘put, placed, set, established’ (no. 646).

445. *ʔatʰtʰa ‘father, daddy’ < Proto-Nostratic (n.) *ʔatʰtʰa ‘older male relative, father’ (nursery word) (no. 647).

446. *ʔwe ‘or’ < Proto-Nostratic *ʔaw-, *ʔwa-/*ʔwa- coordinating conjunction: ‘or’ (no. 649).

447. *ʔ(e)yo- originally an interrogative verb stem meaning ‘to do what?, to act in what manner?’, later simply ‘to do, to make, to perform’ < Proto-Nostratic *ʔay- interrogative verb stem: ‘to do what?, to act in what manner?’ (no. 650).

448. *ʔyo- relative pronoun stem < Proto-Nostratic *ʔay-, *ʔya- interrogative-relative pronoun stem: ‘who, which, what; who?, which?, what?’ (no. 651).

449. *ʔey-/*ʔoy-/*ʔi- ‘to go’ and *ʔy-eh- [*ʔy-ah-] (> *ʔyā-) ‘to go, to proceed’ < Proto-Nostratic (vb.) *ʔay- ‘to go, to proceed’; (n.) *ʔay-a ‘journey’ (no. 652) or Proto-Nostratic (vb.) *ʔiy- ‘to come, to go’; (n.) *ʔiy-a ‘approach, arrival; path, way’ (no. 673).

450. *ʔay-tʰ- ‘mother’ < Proto-Nostratic (n.) *ʔay(y)a ‘mother, female relative’ (nursery word) (no. 654).

451. *ʔekʰu-, *ʔekʰw-o-s ‘horse’ (literally, ‘the spirited, violent, fiery, or wild one’) < Proto-Nostratic (vb.) *ʔekʰ- ‘to move quickly, to rage; to be furious, raging, violent, spirited, fiery, wild’; (n.) *ʔekʰ-a ‘rapid or violent movement, fury, rage’ (no. 658).

452. *ʔek’- ‘to lack, to need, to want’ < Proto-Nostratic (vb.) *ʔek’- ‘to diminish, to decrease, to reduce; to be insufficient, lacking, wanting; to be small, weak, lowly, ignoble, common, ordinary, plain, simple’; (n.) *ʔek’-a ‘diminishment, reduction, decrease, loss; deficiency, want, need, lack’ (no. 659).

453. *ʔepʰ- ‘to cook’ < Proto-Nostratic (vb.) *ʔepʰ- ‘to burn, to be hot; to cook, to boil, to bake’; (n.) *ʔepʰ-a ‘the act of cooking, baking; oven’ (no. 663).

454. *ʔer- ‘earth, ground’ < Proto-Nostratic (n.) *ʔer-a ‘earth, ground’ (no. 664).

455. *ʔet^{h}i (‘from the opposite side’ >) ‘over, beyond, further’ < Proto-Nostratic (vb.) *ʔet^{h}- ‘to oppose’; (n.) *ʔet^{h}-a ‘that which is opposite’ (665).

456. *ʔel- (secondary *o*-grade form: *ʔol-) ‘deer (and similar animals)’ < Proto-Nostratic (n.) *ʔil-a ‘deer’ (no. 668).

457. *ʔen- ‘in, into, among, on’ < Proto-Nostratic (n.) *ʔin-a ‘place, location’ (> ‘in, within, into’ in the daughter languages) (no. 670).

458. *ʔet’- (secondary *o*-grade form: *ʔot’-) ‘to eat’ (original meaning ‘to bite’) < Proto-Nostratic (vb.) *ʔit’- ‘to chew, to bite, to eat, to consume’; (n.) *ʔit’-a ‘the act of eating; that which is eaten: food, nourishment’ (no. 672).

459. *ʔom-es-, *ʔom-so- ‘shoulder’ < Proto-Nostratic (n.) *ʔom-a ‘rounded prominence at the end of a bone forming a ball and socket joint with the hollow part of another bone, condyle (of the lower jaw, the shoulder, the elbow, the hip, etc.)’ (semantic shifts took place in Semitic, Indo-European, and, in part, Altaic; the original meaning was preserved in Egyptian and Turkic) (no. 675).

460. *ʔor-/*ʔ$_{\circ}$r- ‘to move, to set in motion; to rise, to arise; to raise’ < Proto-Nostratic (vb.) *ʔor- ‘to move rapidly, quickly, hastily; to set in motion; (adj.) rapid, quick, hasty’; (n.) *ʔor-a ‘any rapid motion: running, flowing, pouring, etc.’; (adj.) ‘rapid, quick, hasty’ (no. 676) and < Proto-Nostratic (vb.) *ʔor^{y}- ‘to rise (up)’; (n.) *ʔor^{y}-a ‘rising movement or motion’ (no. 677). Note: Two separate Proto-Nostratic stems have fallen together in Proto-Indo-European: (A) *ʔor- ‘to move rapidly, quickly, hastily; to set in motion’ and (B) *ʔor^{y}- ‘to rise (up)’.

461. *ʔorg^{h}-/*ʔ$_{\circ}$rg^{h}- ‘to climb on, to mount, to copulate (with)’, *ʔorg^{h}i-s ‘testicle’ < Proto-Nostratic (vb.) *ʔor^{y}-V-g- ‘to climb on, to mount, to copulate (with)’; (n.) *ʔor^{y}-g-a ‘mounting, copulation’ (no. 678).

462. *ʔowḫ̲h-yo-m ‘egg’ < Proto-Nostratic (vb.) *ʔow-V-ḫ- ‘to hatch eggs’; (n.)*ʔow-ḫ-a ‘egg’ (no. 680). Note: *ʔowḫ̲h-yo-m (traditional *ə$_{1}$ou̯ə$_{2}$iom) ‘egg’ cannot, as is often assumed, be a derivative of the common Proto-Indo-European word for ‘bird’, which requires an initial *a*-coloring laryngeal (preserved in Armenian *hav* ‘bird’): *ḫ̲héw-i-s [*ḫ̲háw-i-s], *ḫ̲hw-éy-s.

463. *ʔoy- ‘single, alone; one’ (with non-apophonic *-o-*) (extended forms: *ʔoy-no-, *ʔoy-wo-, *ʔoy-k^{h}o-) < Proto-Nostratic (vb.) *ʔoy- ‘to be by oneself, to be alone’; (n.) *ʔoy-a ‘solitude, aloneness’; (adj.) ‘single, alone; one’ (no. 681).

464. *ʔol- demonstrative pronoun stem < Proto-Nostratic *ʔul- deictic stem indicating distance farthest away from the speaker: ‘that over there, that yonder’ (no. 683).

465. *ʔŭt’- ‘out, out of, outside, away from’ < Proto-Nostratic (vb.) *ʔut’- ‘to stretch, to lengthen’; (n.) *ʔut’-a ‘wide-open space, outdoor area, exterior; length, distance’; (adj.) ‘wide, broad, long’ (no. 686).

PROTO-NOSTRATIC *h > PROTO-INDO-EUROPEAN *h

466. *heg^{h}- [*hag^{h}-] ‘day’ (Indo-Iranian only) < Proto-Nostratic (vb.) *hag- ‘to burn, to be on fire, to be aflame, to be ablaze, to shine brightly’; (n.) *hag-a ‘midday heat, heat of sun, sunlight’ (no. 687).

467. *hek’-os- [*hak’-os-] ‘pain, affliction, injury’ < Proto-Nostratic (vb.) *hak’- ‘to press, squeeze, pack, or cram together; to confine, to oppress’; (n.) *hak’-a ‘oppression, affliction, pain’ (no. 689).

468. *hel-b^{h}o-s [*hal-b^{h}o-s] ‘white; cloud, whiteness’ < Proto-Nostratic (vb.) *hal- ‘to light up, to beam forth, to shine, to brighten up, to radiate’; (n.) *hal-a ‘clearness, brightness, radiance, purity’; (adj.) ‘clear, pure, bright, shining, radiant’ (no. 690).

469. *hel-yo- [*hal-yo-] ‘else, otherwise; other’ < Proto-Nostratic (adv.) *hal- ‘else, otherwise’; (n.) *hal-a ‘other side’; (adj.) ‘other’ (no. 691).

470. *hem-s- [*ham-s-], *hm-es- ‘blackbird’ (named due to its color) < Proto-Nostratic (n.) *ham-a ‘blackness; black object’; (adj.) ‘black’ (no. 692).

471. *hem-b^{h}- [*ham-b^{h}-]/*hom-b^{h}-/*hm̥-b^{h}-, possibly also *hem-p’- [*ham-p’-]/*hom-p’-/*hm̥-p’- ‘water, rain, rain-cloud’ < Proto-Nostratic (n.) *ham-a ‘water’ (no. 693).

472. *hen-t^{h}ro- [*han-t^{h}ro-] (‘hole, opening’ >) ‘cave, cavern’ < Proto-Nostratic (vb.) *haŋ- ‘to split apart, to open (tr.); to gape, to open the mouth, to yawn’; (n.) *haŋ-a ‘opening: yawn, gape, mouth; hole; crack, crevice’ (no. 695).

473. *hep^{h}o [*hap^{h}o] ‘(turned) away, back’ < Proto-Nostratic (vb.) *hap^{h}- ‘to turn, to turn away, to turn back’; (n.) *hap^{h}-a ‘the act of turning away, turning back, overturning’; (adj.) ‘turned away from, turned back, overturned’ (no. 696).

474. *hew- [*haw-] ‘to long for, to desire’ < Proto-Nostratic (vb.) *haw- ‘to long for, to desire’; (n.) *haw-a ‘desire’ (no. 697).

475. **hey-* [**hay-*] ‘a type of cereal or grain’ (West Germanic only) < Proto-Nostratic (n.) **hay-a* ‘a kind of cereal or grain’ (no. 698).

476. **hay-* exclamation of surprise, astonishment, grief, or misfortune < Proto-Nostratic **hay* exclamation of surprise, astonishment, grief, or misfortune (no. 699).

477. **hey-os-/*hey-es-* [**hay-os-/*hay-es-*] ‘metal, ore’ (> ‘copper, bronze’) < Proto-Nostratic (n.) **hay-a* ‘metal, ore’ (no. 700).

478. **her-* [**har-*]/**hor-/*hr̥-* ‘(vb.) to liberate, to set free; (adj.) free’ < Proto-Nostratic **her-* and/or **hor-* ‘(vb.) to escape, to flee, to run away’; (n.) **her-a* and/or **hor-a* ‘escape, flight’; (adj.) ‘escaped, liberated, freed’ (no. 701).

PROTO-NOSTRATIC *ħ > PROTO-INDO-EUROPEAN *ħ͡h

479. **ħ͡het’-* [**ħ͡hat’-*] ‘crop, grain’ < Proto-Nostratic (vb.) **ħac’-* ‘to pick, to pluck’; (n.) **ħac’-a* ‘the act of picking, plucking’; (adj.) ‘picked, plucked’ (no. 702).

480. **ħ͡heg^{h}-* [**ħ͡hag^{h}-*] ‘(vb.) to be weighed down, oppressed, fearful; (n.) pain, sorrow, grief, fear’ < Proto-Nostratic (vb.) **ħag-* ‘to be pressed or weighed down; to be oppressed; to be disheartened, vexed, distressed, afflicted, troubled’; (n.) **ħag-a* ‘trouble, affliction, oppression, distress, grief, sadness’ (no. 703).

481. **ħ͡heg^{h}-lu-* [**ħ͡hag^{h}-lu-*] ‘mist, darkness, cloudy weather’ < Proto-Nostratic (vb.) **ħag-* ‘to cover over, to hide, to conceal, to obscure, to overshadow’; (n.) **ħag-a* ‘mist, darkness, cloudy weather’; (adj.) ‘misty, dark, cloudy’ (no. 704).

482. **ħ͡hek^{h}-* [**ħ͡hak^{h}-*] ‘to be mentally sharp, keen’ < Proto-Nostratic (vb.) **ħak^{h}-* ‘to be mentally sharp, keen’; (n.) **ħak^{h}-a* ‘wisdom, sound judgment, understanding’ (no. 705).

483. **ħ͡hek’-ro-* [**ħ͡hak’-ro-*] ‘field, plain’ < Proto-Nostratic (vb.) **ħak’-* ‘to spread, to widen, to extend’; (n.) **ħak’-a* ‘expanse, wide-open space, earth, field’ (no. 706).

484. **ħ͡hek’-* [**ħ͡hak’-*] ‘to direct, to guide, to command’ (> ‘to drive’) < Proto-Nostratic (vb.) **ħak’-* ‘to direct, to guide, to command’; (n.) **ħak’-a* ‘direction, guidance, command, decree; leader, chief, chieftain, ruler, headman’ (no. 707).

485. *ħ͡hel- [*ħ͡hal-] ‘to lay waste, to kill, to destroy’ < Proto-Nostratic (vb.) *ħal- ‘to lay waste, to destroy, to kill, to slaughter’; (n.) *ħal-a ‘destruction, violence, killing, slaughter’ (no. 708).

486. *ħ͡hel- [*ħ͡hal-] ‘to grow, to be strong’ < Proto-Nostratic (vb.) *ħal^{y}- ‘to grow, to be strong’; (n.) *ħal^{y}-a ‘health, strength, power’; (adj.) ‘healthy, strong, powerful; grown, great, large’ (no. 711).

487. *ħ͡hel-wo- [*ħ͡hal-wo-] ‘hollow, cavity’ < Proto-Nostratic (n.) *ħal^{y}-a ‘hole, hollow, cavity’ (no. 712).

488. *ħ͡hem- [*ħ͡ham-]/*ħ͡hom- ‘sharp, sour, bitter, acrid’ < Proto-Nostratic (vb.) *ħam- ‘to be sharp, sour, acrid’; (n.) *ħam-a ‘any sharp-tasting, sour, bitter, or acrid foodstuff’; (adj.) ‘sharp, sour, bitter, acrid’ (no. 713).

489. *ħ͡hen-s- [*ħ͡han-s-]/ħ͡hn̥-s- ‘to be gracious, to show favor’ < Proto-Nostratic (vb.) *ħan- ‘to show favor; to be gracious, affectionate, tender’; (n.) *ħan-a ‘affection, tenderness, favor, graciousness’ (no. 715).

490. *ħ͡hen-k^{h}- [*ħ͡han-k^{h}-] ‘to bend, to curve’ and *ħ͡hen-k’- [*ħ͡han-k’-] ‘to bend, to curve’ < Proto-Nostratic (vb.) *ħan- ‘to bend, to curve, to twist’; (n.) *ħan-a ‘bend, curve, twist’ (no. 716).

491. *ħ͡heng^{h}- [*ħ͡hang^{h}-] ‘(vb.) to tie tightly, to constrict; to choke, to strangle; (adj.) narrow, constricted’ < Proto-Nostratic (vb.) *ħan-V-g- ‘to tie tightly, to constrict, to make narrow; to choke, to strangle’; (n.) *ħan-g-a ‘throat’; (adj.) ‘constricted, narrow’ (no. 717).

492. *ħ͡henH-t^{h}i-s [*ħ͡hanH-t^{h}i-s]/*ħ͡hn̥H-t^{h}i-s ‘duck’ < Proto-Nostratic (vb.) *ħaŋ- ‘to dive into water (bird)’; (n.) *ħaŋ-a ‘an aquatic bird’ (no. 718).

493. *ħ͡hep^{h}- [*ħ͡hap^{h}-]/*ħ͡hop^{h}- ‘to gather, to collect; to gather wealth’ < Proto-Nostratic (vb.) *ħap^{h}- ‘to take, gather, or collect (with the hands or arms)’; (n.) *ħap^{h}-a ‘that which has been gathered or collected: plenty, fullness, abundance, wealth, possessions, property; embrace, armful, handful’ (no. 719).

494. *ħ͡hep^{h}- [*ħ͡hap^{h}-] ‘water, stream’ < Proto-Nostratic (vb.) *ħap^{h}- ‘to move quickly, to run, to flow’; (n.) *ħap^{h}-a ‘(flowing or running) water, river, stream, current’ (no. 720).

495. *ħ͡her- [*ħ͡har-]/*ħ͡hr̥- ‘to prepare, to make ready, to put together’ < Proto-Nostratic (vb.) *ħar- ‘to prepare, to make ready, to put together’; (n.) *ħar-a ‘way, manner, method’ (no. 721).

496. **ħ͡herH-mo-* [**ħ͡harH-mo-*]/**ħ͡hr̥H-mo-* ‘arm, shoulder’ < Proto-Nostratic (n.) **ħar-a* ‘arm, hand’ (no. 722).

497. **ħ͡her-yo-* [**ħ͡har-yo-*] ‘a superior, a person higher in status or rank’ < Proto-Nostratic (vb.) **ħar-* ‘to be superior, to be higher in status or rank, to be above or over’; (n.) **ħar-a* ‘nobleman, master, chief, superior’; (adj.) ‘free-born, noble’ (no. 723).

498. **ħ͡her(H)-* [**ħ͡har(H)-*] ‘to plow’ < Proto-Nostratic (vb.) **ħar-* ‘to scratch, to scrape’ (> ‘to plow’); (n.) **ħar-a* ‘scraping, scratching’ (no. 724).

499. **ħ͡her-* [**ħ͡har-*]/**ħ͡hr̥-* ‘then, therefore; and’ < Proto-Nostratic **ħar^{y}-*: (1) particle introducing an alternative: ‘or’, (2) conjoining particle: ‘with, and’, (3) inferential particle: ‘then, therefore’ (no. 725). Note: The *CVC-* patterning shows that this stem could not originally have been a particle, though this is how it is preserved in the daughter languages. The original meaning is unknown.

500. **ħ͡hes-* [**ħ͡has-*] ‘to burn, to be hot’ < Proto-Nostratic (vb.) **ħas-* ‘to burn, to be hot’; (n.) **ħas-a* ‘cinder, ember, ashes; heat’ (no. 726).

501. **ħ͡hes-* [**ħ͡has-*]/**ħ͡hŏs-* originally ‘a tree and its fruit’ (as in Hittite), but later specialized in the post-Anatolian Indo-European daughter languages < Proto-Nostratic root **ħas^{y}-* (used as the base to designate various tree names): (n.) **ħas^{y}-a* ‘a tree and its fruit’ (no. 727).

502. **ħ͡het’-* [**ħ͡hat’-*] ‘(vb.) to terrify, to frighten; (adj.) terrible, horrible, hateful’ < Proto-Nostratic (vb.) **ħat’-* ‘to shake, to tremble; to be shaken, startled, frightened, afraid, terrified’; (n.) **ħat’-a* ‘trembling, shaking’ (no. 728).

503. **ħ͡hewh͡ho-s* [**ħ͡hawh͡ho-s*] ‘maternal grandfather; maternal uncle’ < Proto-Nostratic (n.) **ħaw-a* ‘a relative on the mother’s side’ (no. 729).

504. **ħ͡hew-r-* [**ħ͡haw-r-*]/**ħ͡how-r-*/**ħ͡hu-r-*, **ħ͡hw-er-*/**ħ͡hw-or-*/**ħ͡hur-* ‘(vb.) to rain, to sprinkle, to spray; (n.) rain, moisture’, **ħ͡hew-on(t^{h})-* [**ħ͡haw-o(nt^{h})-*], **ħ͡hew-n̥(t^{h})-* [**ħ͡haw-n̥(t^{h})-*] ‘spring, well’ (also used as the base of river names), and **ħ͡hw-er-s-*/**ħ͡hw-or-s-*/**ħ͡hw-r̥-s-* ‘(vb.) to rain; (n.) rain’ < Proto-Nostratic (vb.) **ħaw-* ‘to surge up, to overflow, to rain’; (n.) **ħaw-a* ‘torrential rain, torrent, deluge’ (no. 730).

505. **ħ͡hew-k’-* [**ħ͡haw-k’-*]/**ħ͡hu-k’-*, **ħ͡hw-ek’(s)-*/**ħ͡hw-ok’(s)-* ‘to grow, to increase’ < Proto-Nostratic (vb.) **ħaw-* ‘to swell, to increase’; (n.) **ħaw-a* ‘swelling, increase, growth; great number or amount’ (no. 731).

506. *ħ͡hew- [*ħ͡haw-] ‘to plait, to weave’, *ħ͡hw-iħ͡h- [*ħ͡hw-eħ͡h-] (> *Hwē-) ‘to weave, to braid, to plait’, *ħ͡hw-ey-/*ħ͡hw-oy-/*ħ͡hw-i- ‘to weave, to braid, to plait, to twist, to turn’, (*ħ͡hw-epʰ-/*ħ͡hw-opʰ-/)*ħ͡hu-pʰ- ‘to weave, to braid, to plait, to twist, to turn’, and *ħ͡hw-ebʰ-/*ħ͡hw-obʰ-/*ħ͡hu-bʰ- ‘to weave’ < Proto-Nostratic (vb.) *ħaw- ‘to weave, to braid, to plait, to twist, to turn’; (n.) *ħaw-a ‘the act of weaving, braiding, plaiting’ (no. 732).

507. *ħ͡heyw- [*ħ͡hayw-]/*ħ͡hoyw-, *ħ͡heyu- [*ħ͡hayu-]/ *ħ͡hoyu- ‘(adj.) alive; (n.) life, lifetime’ < Proto-Nostratic (vb.) *ħay- ‘to live, to be alive’; (n.) *ħay-a ‘life, age’; (extended form) (vb.) *ħay-V-w-; (n.) *ħay-w-a (no. 733).

508. *ħ͡hoyt’- ‘to swell’ < Proto-Nostratic (vb.) *ħay-V-t’- ‘to swell, to be fat’; (n.) *ħay-t’-a ‘a swelling, fat’; (adj.) ‘fat, swollen’ (no. 734).

509. *ħ͡hinkʰ- [*ħ͡henkʰ-]/*ħ͡hn̥kʰ- ‘to reach, to come to, to arrive at; to offer, to present’ < Proto-Nostratic (vb.) *ħin-V-kʰ- ‘to reach, to come to, to arrive at, to gain; to offer, to present’; (n.) *ħin-kʰ-a ‘gain, mastery, experience; offering, present’ (no. 736).

510. *ħ͡hiw- [*ħ͡hew-]/*ħ͡hu-, *ħ͡hw-eA- [*ħ͡hw-aA-] (> *Hw-ā-), *ħ͡hu-A- (> *Hū-) ‘to lack, to stand in need, to be in want’ < Proto-Nostratic (vb.) *ħiw-, *ħiy- ‘to lack, to stand in need, to be in want’; (n.) *ħiw-a, *ħiy-a ‘need, want, lack, deficiency’ (no. 737).

511. *ħ͡hokʰ- (secondary *e*-grade form: *ħ͡hekʰ- [*ħ͡hakʰ-]) ‘sharp point’ < Proto-Nostratic (Eurasiatic only) (n.) *ħokʰ-a ‘sharp point’ (no. 738).

512. *ħ͡hul- (> *ħ͡hol-) ‘to smite, to destroy’ < Proto-Nostratic (vb.) *ħul- ‘to destroy, to lay waste, to cause to perish’; (n.) *ħul-a ‘ruin, destruction; end, death’ (no. 741).

513. *ħ͡hor-/*ħ͡hr̥- ‘eagle’ < Proto-Nostratic (n.) *ħur-a (and/or *ħer-a ?) ‘hawk-like bird: falcon, hawk, eagle, kite’ (no. 742).

PROTO-NOSTRATIC *ʕ > PROTO-INDO-EUROPEAN *ʕ͡ɦ

514. *ʕ͡ɦel- [*ʕ͡ɦal-] ‘to burn’ < Proto-Nostratic (vb.) *ʕal- ‘to make a fire, to light a fire, to ignite, to kindle, to burn’; (n.) *ʕal-a ‘fire, torch’ (no. 748).

515. (*ʕ͡ɦm̥dʰ-i >) *ʕ͡ɦn̥dʰ-i ‘on top of, over, above; in addition to’ < Proto-Nostratic (vb.) *ʕam- ‘to lift, to raise, to make high’; (n.) *ʕam-a ‘highest point, tip, top’; (extended form [Semitic and Indo-European]) (vb.) *ʕam-V-d- ‘to lift, to raise, to make high’; (n.) ʕam-d-a ‘highest point, tip, top’ (no. 750).

516. *ʕ͡ħenE- [*ʕ͡ħanE-] ‘to breathe, to respire, to live’ < Proto-Nostratic (vb.) *ʕan- ‘to breathe, to respire, to live’; (n.) *ʕan-a ‘life, breath’ (no. 752).

517. *ʕ͡ħet^{h}- [*ʕ͡ħat^{h}-] ‘to move, to proceed, to advance (in years)’ < Proto-Nostratic (vb.) *ʕat^{h}- ‘to move, to proceed, to advance (in years)’; (n.) *ʕat^{h}-a ‘maturity, old age; advance’; (adj.) ‘mature, old; advanced’ (no. 757).

518. *ʕ͡ħey- [*ʕ͡ħay-] ‘to know, to recognize’ (Tocharian only) < Proto-Nostratic (vb.) *ʕey- ‘to know, to recognize’; (n.) *ʕey-a ‘sight, recognition’; (adj.) ‘known, seen, recognized’ (no. 760).

519. *ʕ͡ħig^{h}- [*ʕ͡ħeg^{h}-] ‘with young (of animals)’ < Proto-Nostratic (n.) *ʕig-a ‘young of an animal, calf’ (no. 761).

520. *ʕ͡ħot’- ‘to smell’ < Proto-Nostratic (vb.) *ʕut’- ‘to smell’; (n.) *ʕut’-a ‘smell, odor, fragrance’ (no. 767).

521. *ʕ͡ħowi-s ‘sheep’ < Proto-Nostratic (n.) *ʕuw-a ‘herd of small animals, sheep and goats’ (no. 768).

PROTO-NOSTRATIC *x > PROTO-INDO-EUROPEAN *ħ͡h

522. *ħ͡hel- [*ħ͡hal-] ‘to wear down, to grind’ < Proto-Nostratic (vb.) *xal- ‘to wear down, to wear out, to weaken; to be worn out, worn down, weakened’; (n.) *xal-a ‘weakness, exhaustion, fatigue, weariness’; (adj.) ‘weak, worn out, tired, exhausted, weary’ (no. 769).

523. *ħ͡hend^{h}-ro- [*ħ͡hand^{h}-ro-] ‘man’ (Greek only) < Proto-Nostratic (vb.) *xam- ‘to be wild, fierce, brave, strong, manly’; (n.) *xam-a ‘a male (human or animal), (extended form in Dravidian and Indo-European) (vb.) *xam-V-d- ‘to be wild, fierce, brave, strong, manly’; (n.) *xam-d-a ‘a male (human or animal)’ (*xam-d- > *xan-d-) (no. 771).

524. *ħ͡hen-d^{h}- [*ħ͡han-d^{h}-] ‘to sprout, to blossom, to bloom’ (Greek and Albanian only), *ħ͡hen-d^{h}-os- [*ħ͡han-d^{h}-os-] ‘sprout, blossom, bloom, flower’ < Proto-Nostratic (vb.) *xan- ‘to sprout, to floursh, to bloom’; (n.) *xan-a ‘sprout, bloom, blossom’ (no. 772).

525. *ħ͡hent^{h}-s [*ħ͡hant^{h}-s] ‘front, front part’, *ħ͡hent^{h}i [*ħ͡hant^{h}i] ‘in front of, before’ < Proto-Nostratic (n.) *xaŋ-t^{h}-a ‘the most prominent or foremost (person or thing), front, front part’ (extended form of [vb.] *xaŋ- ‘to lift, to raise; to rise, to go upward, to ascend’; [n.] *xaŋ-a ‘that which is most prominent, foremost, visible, or noticeable’; [particle] ‘on top of, over, above’) (no. 774).

526. *ħ͡het'- [*ħ͡hat'-] ‘to cut into, to hollow out, to engrave, to prick, to pierce’ < Proto-Nostratic (vb.) *xat'- ‘to cut into, to hollow out, to engrave, to prick, to pierce’; (n.) *xat'-a ‘slice, carving, engraving, engraved line, incision’ (no. 775).

PROTO-NOSTRATIC *x^{w} > PROTO-INDO-EUROPEAN *ħ͡h^{w}

527. *ħ͡h^{w}el-/*ħ͡h^{w}ol-/*ħ͡h^{w}l̥- ‘to draw, to pull, to tear out’ < Proto-Nostratic (vb.) *x^{w}al- ‘to pull (off, out), to tear (off, out)’; (n.) *x^{w}al-a ‘the act of pulling or tearing (off, out)’ (no. 777).

528. *ħ͡h^{w}et'- ‘to say, to speak’ < Proto-Nostratic (vb.) *x^{w}at'- ‘to chatter, to speak’; (n.) *x^{w}at'-a ‘chatter, talk’ (no. 779).

529. *ħ͡h^{w}er-k^{h}- ‘to cry, to squeal’ (Balto-Slavic only) < Proto-Nostratic (vb.) *x^{w}ir- ‘to make a loud noise, to make a shrill sound’; (n.) *x^{w}ir-a ‘loud noise’ (no. 781).

PROTO-NOSTRATIC *γ > PROTO-INDO-EUROPEAN *ʕ͡ɦ

530. *ʕ͡ɦorb^{h}- (with non-apophonic -o-) ‘to be or become separated, abandoned, bereft’, *ʕ͡ɦorb^{h}-o-s ‘(n.) orphan, servant; (adj.) bereft, abandoned, deprived (of)’ < Proto-Nostratic (vb.) *γor- ‘to leave, to go away, to depart; to separate; to abandon’; (n.) *γor-a ‘leaving, departure; separation; abandonment’. (extended form) (vb.) *γor-V-b- ‘to leave, to go away, to depart; to separate; to abandon’; (n.) *γor-b-a ‘leaving, departure; separation; abandonment’ (no. 784).

PROTO-NOSTRATIC *y > PROTO-INDO-EUROPEAN *y

531. *yoʔ-s- (> *yōs-) ‘to gird’ < Proto-Nostratic (vb.) *yaʔ- ‘to tie, to bind, to gird’; (n.) *yaʔ-a ‘binding, bond, bandage; belt, girdle’ (no. 785).

532. *yew-/*yow-/*yu- ‘(adj.) young; (n.) youth, young person’ in: *yuwen-, *yuwn̥k^{h}os ‘young’; *yuwn̥t^{h}-eA, -os, -is ‘youth, young person’ < Proto-Nostratic (vb.) *yaw- ‘to produce young’; (n.) *yaw-a ‘youth, young person, child’; (adj.) ‘young’ (no. 788).

533. *yewo- ‘grain’ < Proto-Nostratic (Eurasiatic only) (n.) *yiw-a ‘grain’ (no. 789).

PROTO-NOSTRATIC *w > PROTO-INDO-EUROPEAN *w

534. **we-*/**wo-*, **wey-* 1st person dual and plural personal pronoun stem < Proto-Nostratic **wa-* 1st person personal pronoun stem: ‘I, me; we us’ (no. 791).

535. **we*, **u* sentence particle: ‘and, also, but; like, as’ < Proto-Nostratic **wa-* sentence particle: ‘and, also, but; like, as’ (no. 792).

536. **we$\underset{\smile}{\text{ʕ}}$-* [**wa$\underset{\smile}{\text{ʕ}}$-*]/**wo$\underset{\smile}{\text{ʕ}}$-* > **wā-*/**wō-* ‘to call, to cry out’ < Proto-Nostratic (vb.) **waʕ-* ‘to call, to cry out, to shout’; (n.) **waʕ-a* ‘cry, howl, clamor, shout, noise’ (no. 793).

537. **wed^{h}-*/**wod^{h}-* ‘to lead, to bring, to carry’ < Proto-Nostratic (vb.) **wad-* ‘to take, to lead, to carry, to bring’; (n.) **wad-a* ‘the act of taking, leading, carrying, bringing’ (no. 794).

538. **we$\underset{\smile}{\text{ħ}}$-* [**wa$\underset{\smile}{\text{ħ}}$-*]/**wo$\underset{\smile}{\text{ħ}}$-* > **wā-*/**wō-* ‘to strike, to wound’ < Proto-Nostratic (vb.) **waħ-* ‘to strike, to stab, to wound’; (n.) **waħ-a* ‘wound, scar; knife, sword, blade, spear(head)’ (no. 795).

539. **wek’-*/**wok’-* ‘to rouse, to stir up, to excite, to awaken’ < Proto-Nostratic (vb.) **wak’-* ‘to rouse, to stir up, to excite’; (n.) **wak’-a* ‘energy, vigor, strength, power, might’ (no. 796).

540. **wal-* ‘to be strong’ < Proto-Nostratic (vb.) **wal-* ‘to be or become strong’; (n.) **wal-a* ‘strength, power’ (no. 797).

541. **wel-*/**wol-*/**w$\underset{\smile}{\text{l}}$-* ‘to draw, to pull, to tear out’ < Proto-Nostratic (vb.) **wal-* ‘to pull (out)’; (n.) **wal-a* ‘pulling, dragging’ (no. 798).

542. **wal-* ‘to shout’ < Proto-Nostratic (vb.) **wal-* ‘to cry out, to call out, to shout’; (n.) **wal-a* ‘sound, noise, cry, wail, lamentation, howl, hubbub’ (no. 799).

543. **wel-k^{h}-*/**wol-k^{h}-*/**w$\underset{\smile}{\text{l}}$-k^{h}-*, **wel-k’-*/**wol-k’-*/**w$\underset{\smile}{\text{l}}$-k’-*, and **wel-g^{h}-*/**wol-g^{h}-*/**w$\underset{\smile}{\text{l}}$-g^{h}-* ‘to wet, to moisten’ < Proto-Nostratic (vb.) **wal-* ‘to flow, to wet, to moisten’; (n.) **wal-a* ‘flow, trickle; wetness, moisture, dampness’; (adj.) ‘wet, damp’ (no. 801).

544. **wel-*/**wol-*/**w$\underset{\smile}{\text{l}}$-* ‘to heat, to warm, to boil’ < Proto-Nostratic (vb.) **wal-* ‘to set fire to, to burn, to heat up, to warm’; (n.) **wal-a* ‘heat, warmth, boiling’ (no. 802).

545. **wel-*/**wol-*/**w$\underset{\smile}{\text{l}}$-* ‘to crush, to grind, to wear out; to press; to be worn out, weak; to fade, to wither, to waste away’ < Proto-Nostratic **wal-* ‘(vb.) to crush, to grind, to wear out; to rub, to press; to be worn out, weak; to fade, to

wither, to waste away'; (n.) **wal-a* 'distress, pain, difficulty; weakness, hunger, starvation' (no. 803).

546. **wel-/*wol-/*wl̥-* 'to turn, to roll, to revolve' < Proto-Nostratic (vb.) **wal^{y}-* 'to turn, to roll, to revolve'; (n.) **wal^{y}-a* 'circle, circumference; turn, rotation'; (adj.) 'round' (no. 804).

547. **wem-/*wom-/*wm̥-* 'to vomit, to spit up' < Proto-Nostratic (vb.) **wam-* 'to eject, to spit out, to spit up'; (n.) **wam-a* 'spittle, vomit' (no. 806).

548. **wen-/*won-/*wn̥-* 'to dwell, to abide, to remain' (Germanic only) < Proto-Nostratic (vb.) **wan-* 'to stay, to remain'; (n.) **wan-a* 'abode, dwelling' (no. 807). Note: Proto-Indo-European **wen-/*won-/*wn̥-* 'to dwell, to abide, to remain' is distinct from **wen(H)-* 'to strive for, to wish for, to desire' (cf. Pokorny 1959:1146—1147).

549. **wen-d^{h}-/*won-d^{h}-/*wn̥-d^{h}-* 'to bend, to twist, to turn', **wen-k^{h}-/*won-k^{h}-/*wn̥-k^{h}-* 'to bend, to twist, to turn', **wen-k'-/*won-k'-/*wn̥-k'-* 'to curve, to bend', and **wen-g^{h}-/*won-g^{h}-/*wn̥-g^{h}-* 'to turn, to twist, to go crookedly' < Proto-Nostratic (vb.) **wan-* 'to bend'; (n.) **wan-a* 'bend, curve'; (adj.) 'crooked, bent, curved' (no. 810).

550. **wen-/*won-/*wn̥-* 'to wound' < Proto-Nostratic (vb.) **waŋ-* 'to strike, to stab, to wound, to cut'; (n.) **waŋ-a* 'cut, slash, gash, wound, harm, injury; dagger, knife' (no. 811).

551. **wers-/*wr̥s-* 'man, male, male animal' < Proto-Nostratic (n.) **war-a* 'man, male, male animal' (no. 812).

552. **wer-/*wor-/*wr̥-* 'to look, to watch out for, to observe, to care for' < Proto-Nostratic (vb.) **war-* 'to look, to watch out for, to observe, to care for'; (n.) **war-a* 'watch, vigil, guardianship, care; guard, keeper, warder, watchman' (no. 813).

553. **wer-/*ur-* '(vb.) to stretch, to extend; (adj.) wide, broad, extended, great, large' < Proto-Nostratic **war-* '(vb.) to stretch, to extend, to expand'; (n.) **war-a* 'width, breadth, length'; (adj.) 'wide, broad' (no. 815).

554. **wer-d^{h}-/*wor-d^{h}-/*wr̥-d^{h}-* '(vb.) to raise, to elevate; to grow, to increase; (n.) growth, increase' and **wer-s-/*wor-s-/*wr̥-s-* 'uppermost, highest, or topmost part' < Proto-Nostratic (vb.) **war-* 'to raise, to elevate, to grow, to increase'; (n.) **war-a* 'uppermost, highest, or topmost part' (no. 816).

555. **wer-/*wor-* 'to burn' < Proto-Nostratic *(vb.) *war-* 'to burn, to blaze'; (n.) **war-a* 'blaze, flame, heat, warmth' (no. 817).

556. **wer-/*wor-* ‘to say, to speak, to tell’ < Proto-Nostratic (vb.) **war-* and/or **wir-* ‘to say, to speak, to tell, to point out, to make known’; (n.) **war-a* and/or **wir-a* ‘news, report, gossip, speech’ (no. 818).

557. **wes-* ‘to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay’ < Proto-Nostratic (vb.) **was^{y}-* ‘to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay’; (n.) **was^{y}-a* ‘the act of crushing, grinding, pounding; wasting away, decay, decomposition’ (no. 820).

558. **wet^{h}-* ‘(vb.) to pass (of time); to grow old, to age; (adj.) old; (n.) year, age’ < Proto-Nostratic (vb.) **wat^{h}-* ‘to pass (of time); to grow old, to age’; (n.) **wat^{h}-a* ‘year, age’; (adj.) ‘old’ (no. 822).

559. **wet^{h}H-/*wot^{h}H-* ‘to say, to speak’ < Proto-Nostratic (vb.) **wat^{h}-* ‘to say, to speak, to be talkative’; (n.) **wat^{h}-a* ‘sound, cry, chatter, babble, report’ (no. 823).

560. **wet’-er-o-/*ut’-er-o-* ‘the belly, stomach, bowels; womb; the interior or inside of anything’ < Proto-Nostratic (n.) **wat’^{y}-a* ‘the belly, stomach, bowels; womb; the interior or inside of anything’ (no. 824).

561. **way* exclamation: ‘woe!’ < Proto-Nostratic **way* exclamation: ‘woe!’ (no. 825).

562. **wed^{h}-* (secondary *o*-grade form: **wod^{h}-*) ‘to cut, to strike, to slay’ < Proto-Nostratic (vb.) **wed-* ‘to strike (with a weapon)’; (n.) **wed-a* ‘death, ruin, murder; strike, cut, wound, scar; weapon, axe’ (no. 827).

563. **welH-/*w̥lH-* (secondary *o*-grade form: **wolH-*) ‘to strike, to wound’ < Proto-Nostratic (vb.) **wel-* ‘to slay, to fight’; (n.) **wel-a* ‘conquest, victory, defeat, slaughter, massacre; fight, battle, attack’ (no. 828).

564. **wel-* ‘field, meadow’ < Proto-Nostratic (vb.) **wel^{y}-* ‘to be open, to be vacant’; (n.) **wel^{y}-a* ‘open space, open land, field, meadow’ (no. 829).

565. **welH-/*w̥lH-* (secondary *o*-grade form: **wolH-*) ‘(vb.) to well up, to surge, to flow forth, to boil up; (n.) surge, wave’ < Proto-Nostratic (vb.) **wel^{y}-* ‘to well up, to surge, to flow forth, to flood’; (n.) **wel^{y}-a* ‘deluge, flood, inundation; surge, wave’ (no. 830).

566. **wet’-/*ut’-* (secondary *o*-grade form: **wot’-*) ‘(vb.) to wet, to moisten; (n.) water’ < Proto-Nostratic (vb.) **wet’-* ‘to wet, to moisten’; (n.) **wet’-a* ‘water’ (no. 831).

567. *weg^{h}- (secondary *o*-grade form: *wog^{h}-) ‘to carry, to convey, to weigh’ < Proto-Nostratic (vb.) *wig- ‘to carry, to convey’; (n.) *wig-a ‘burden, load; conveyance, cart, vehicle’ (no. 832).

568. *wel-/*wl̥- (secondary *o*-grade form: *wol-) ‘to see, to look, to view’ < Proto-Nostratic (vb.) *wil^{y}- ‘to become bright, to manifest, to appear, to come into view’; (n.) *wil^{y}-a ‘appearance, manifestation; light, brightness, radiance, splendor’; (adj.) ‘bright, manifest, clear’ (no. 833).

569. *wen(H)-/*wn̥(H)- (secondary *o*-grade form: *won(H)-) ‘to strive for, to wish for, to desire’ < Proto-Nostratic (vb.) *win- or *wiŋ- ‘to strive for, to wish for, to desire’; (n.) *win-a or *wiŋ-a ‘wish, desire’ (no. 834).

570. *wer-n- ‘alder, poplar’ < Proto-Nostratic (n.) *wir-a ‘a kind of tree: aspen, alder, poplar, or the like’ (no. 835).

571. *wos-/*us- (secondary *e*-grade form: *wes-) ‘to trade, to deal’ < Proto-Nostratic (Eurasiatic only) (vb.) *wos- ‘to trade, to deal’; (n.) *wos-a ‘trade, commerce’ (no. 836).

572. *woy(H)-/*wi(H)- (secondary *e*-grade form: *wey-) ‘(vb.) to make an effort, to act with energy; (n.) strength, power’ and *wey-k^{h}-/*woy-k^{h}-/*wi-k^{h}- ‘(vb.) to overcome, to overpower, to conquer; (n.) fight, battle’ < Proto-Nostratic (Eurasiatic only) (vb.) *woy- ‘to make an effort, to act with energy’; (n.) *woy-a ‘strength, power’ (no. 838).

573. *woyk^{h}-/*wik^{h}- (secondary *e*-grade form: *weyk^{h}-) ‘(vb.) to arrange or put in order, to make equal or similar; (n.) that which is reasonable, true, equal, or similar’ < Proto-Nostratic (vb.) *woy-V-k^{h}- ‘to arrange or put in order’; (n.) *woy-k^{h}-a ‘arrangement, order; straightness, correctness, rectitude’; (adj.) ‘straight, right, correct, true’ (no. 839).

574. *wond^{h}-/*wn̥d^{h}- (secondary *e*-grade form: *wend^{h}-) ‘beard, (young, fine, or soft) hair’ < Proto-Nostratic (n.) *wun-d-a ‘(young, fine, or soft) hair’ (no. 840).

575. *wer- ‘squirrel’ also ‘polecat, ferret’ (reduplicated forms: *we-wer-, *wer-wer-, *wi-wer-, *way-wer-, etc.) < Proto-Nostratic *wur-a ‘squirrel’ (no. 841).

576. *wor-/*wr̥- ‘(vb.) to plow; (n.) furrow, ditch’ < Proto-Nostratic (vb.) *wur^{y}- ‘to scratch, to incise, to dig up’; (n.) *wur^{y}-a ‘pit, ditch’ (no. 842).

PROTO-NOSTRATIC *m > PROTO-INDO-EUROPEAN *m

577. *mo- ‘this, that’ (Celtic only) < Proto-Nostratic indefinite pronoun stem: *ma-, *mi-, *mu- ‘one, someone, somebody, anyone, anybody; other, another’. This may originally have been a demonstrative stem (as suggested by Illič-Svityč), with three degrees of distance: *ma- (proximate), (B) *mu- (distant), and (C) *mi- (intermediate), as in the stems: *k^ha- (proximate), (B) *k^hu- (distant), and (C) *k^hi- (intermediate) and *t^ha- (proximate), (B) *t^hu- (distant), and (C) *t^hi- (intermediate) (no. 844).

578. *mā ‘mother, mommy’, (reduplicated) *mamma ‘mother, mommy; (mother’s) breast’, (dissimilated) *mānā, *manna (nursery words) and *mā-t^her- ‘mother’ (no laryngeal!) < Proto-Nostratic (nursery word) (n.) *ma(a) ‘mother, mommy’, (reduplicated) *mam(m)a, *mem[e] ‘mother; (mother’s) breast, milk’; used as a verb, the meaning was probably ‘to suckle, to nurse; to suck (the breast)’ (as noted by Watkins 2000:50: “[a] linguistic near-universal found in many of the world’s languages, often in reduplicated form”) (no. 845).

579. *mē negative/prohibitive particle: ‘no, not’ < Proto-Nostratic *ma(ʔ)-negative/prohibitive particle: ‘no, not’ (no. 846).

580. *meʔ-/*moʔ- (> *mē-/*mō-) ‘more, abundant, considerable’ < Proto-Nostratic (vb.) *maʔ- ‘to increase (in number), to be abundant, to be many’; (n.) *maʔ-a ‘large quantity, plenty, abundance’; (adj.) ‘great, big, large, many, abundant’ (no. 847).

581. *med^hw/u- ‘honey, mead’ < Proto-Nostratic (n.) *mad-w-a ‘honey, mead’ (no. 849).

582. *meg^h-/*mog^h- ‘to be of great influence, importance, or power; to be eminent, exalted, highly esteemed, glorious, illustrious’ < Proto-Nostratic (vb.) *mag- ‘to be of great influence, importance, or power; to be eminent, exalted, highly esteemed, glorious, illustrious’; (n.) *mag-a ‘strength, power, might; glory, splendor, magnificence, grandeur, nobility, honor, distinction, excellence’; (adj.) ‘strong, powerful, eminent, exalted, highly esteemed, glorious, illustrious’ (no. 850).

583. *mag^h- ‘earth, land’ < Proto-Nostratic (Eurasiatic only) (n.) *mag-a ‘earth, land’ (no. 851).

584. *mag^h- ‘young’, *mag^hu- ‘young person, child’ < Proto-Nostratic (n.) *mag-a ‘young person, child’; (adj.) ‘young’ (no. 852).

585. *meh̲h-k^h- [*mah̲h-k^h-] (> *mā-k^h-) ‘to increase; to cause to grow, to breed < Proto-Nostratic (vb.) *maħ- ‘to increase, to swell, to exceed, to surpass, to be great’; (n.) *maħ-a ‘bigness, greatness, fullness, excellence’; (adj.) ‘big, great, full’ (no. 853).

586. *mak^h- ‘(to be) bewildered, perplexed, confused’ (Greek only: Greek μακκοάω ‘to be stupid’ [either derived from Μακκώ the name of a stupid woman, or the other way around] — “popular term with expressive gemination”) < Proto-Nostratic (vb.) *mak^h- ‘to deceive, to trick, to cheat; to be deceived, troubled, confused, perplexed’; (n.) *mak^h-a ‘deception, trickery, confusion’ (no. 855).

587. *mak’- ‘great, strong, mighty, powerful’ < Proto-Nostratic (vb.) *mak’- ‘to be great, strong, mighty, powerful’; (n.) *mak’-a ‘strength, power’; (adj.) ‘great, strong, powerful; much, many’ (no. 856).

588. (?) *mok’-o- ‘comfortable, suitable, convenient, fitting; pleasant, agreeable; at ease’ (Germanic only) < Proto-Nostratic (vb.) *mak’- ‘to be happy, cheerful; to be pleasant, agreeable’; (n.) *mak’-a ‘happiness, joy, pleasure’ (no. 857).

589. *mel-/*mol- ‘hill, mountain’ < Proto-Nostratic (n.) *mal-a ‘hill, mountain’ (no. 858).

590. *mel-/*mol-/*m̥l- ‘much, many, very much’ and *mel-g^h-/*mol-g^h-/*m̥l-g^h- ‘to fill up, to swell’ < Proto-Nostratic (vb.) *mal- ‘to fill, to be or become full, to increase’; (n.) *mal-a ‘fullness, abundance’; (adj.) ‘full, filled, abundant, numerous, many’ (no. 859).

591. *mel-/*mol-/*m̥l- ‘(vb.) to be favorably disposed towards, to care about, to be devoted to, to like; (adj.) good, pleasant’ < Proto-Nostratic (vb.) *mal- ‘to be favorably disposed towards, to care about, to be devoted to, to like’; (n.) *mal-a ‘goodness, pleasantness’; (adj.) ‘good, pleasant, pleasing’ (no. 860).

592. *mel-i-t^h (gen. sg. *mel-n-es) ‘honey’ < Proto-Nostratic (n.) *mal-a ‘honey’ (no. 861).

593. *mel-k’-/*mol-k’-/*m̥l-k’- ‘(vb.) to draw (milk), to milk, to suck; to give suck, to suckle; (n.) milk’ < Proto-Nostratic (vb.) *mal- ‘to draw (out), to squeeze (out), to suck (out); to give suck, to suckle, to nurse’; (n.) *mal-a ‘milk; breast’ (no. 862).

594. *mel-k’-/*mol-k’-/*m̥l-k’- ‘to wipe, to stroke’ and *mel-k^h-/*mol-k^h-/*m̥l-k^h- ‘to touch, to stroke, to handle’ < Proto-Nostratic (Eurasiatic only) (vb.) *mal- ‘to rub, to wipe, to stroke’; (n.) *mal-a ‘the act of rubbing, wiping, stroking’ (no. 863).

595. **mel-/*mol-/*mḷ-* ‘(vb.) to be confused, mistaken, wrong; (n.) wrong, falsehood; (adj.) wrong, false’ < Proto-Nostratic (vb.) **mal-* ‘to be confused, perplexed, disturbed, bewildered, mistaken’; (n.) **mal-a* ‘confusion, perplexity, bewilderment’ (no. 866).

596. **men-t’-/*mon-t’-/*mn̥-t’-* ‘(vb.) to suckle, to nurse (a child), to breastfeed; (n.) suckling, young animal; breast’ < Proto-Nostratic (vb.) **man-* ‘to suckle, to nurse (a child), to breastfeed’; (n.) **man-a* ‘suckling, young (of humans and animals); breast’ (no. 867).

597. **men-/*mon-/*mn̥-* ‘to reckon, to consider, to think’ < Proto-Nostratic (vb.) **man-* ‘to count, to reckon’ (> ‘to consider, to think’ > ‘to recount’ > ‘to say, to speak’) (there may be more than one root involved here: [A] ‘to count, to reckon’ and [B] ‘to say, to speak’); (n.) **man-a* ‘counting, reckoning’ (no. 868).

598. **men-/*mon-/*mn̥-* ‘to stay, to remain, to abide, to dwell; to be firm, steadfast, established, enduring’ < Proto-Nostratic (vb.) **man-* ‘to stay, to remain, to abide, to dwell; to be firm, steadfast, established, enduring’; (n.) **man-a* ‘dwelling, house, home’ (no. 869).

599. (**men-/*mon-/)*mn̥-* ‘(vb.) to protect; (n.) protection’ (Germanic only) < Proto-Nostratic (vb.) **man-* ‘to protect, to watch over, to stand guard over, to care for, to take care of, to tend’; (n.) **man-a* ‘protection, care, guardianship; watchman, herdsman, guardian, protector’ (no. 870).

600. **men(e)g^{h}o-s/*mon(e)g^{h}o-s/*mn̥g^{h}o-s* ‘copious, abundant, many’ < Proto-Nostratic (extended form) (vb.) **man-V-g-* ‘to swell, to expand, to increase, to grow’; (n.) **man-g-a* ‘great number, large amount; abundance; multitude, crowd’; (adj.) ‘many, numerous, copious, abundant; swollen, big, fat, strong’ (no. 872).

601. **men-/*mon-/*mn̥-* ‘(vb.) to desire passionately, to yearn for; (n.) ardent desire, passion, lust’ < Proto-Nostratic (vb.) **man^{y}-* ‘to lust after, to desire passionately, to copulate with, to have sexual intercourse, to beget’; (n.) **man^{y}-a* ‘ardent desire, passion, lust’ (no. 873).

602. **manu-s* ‘man, begetter, progenitor’ < Proto-Nostratic (n.) **man^{y}-a* ‘man, male, progenitor, begetter; penis’ (no. 874).

603. **man-(/*mon-)/*mn̥-* ‘hand’ < Proto-Nostratic (vb.) **man^{y}-* ‘to hold, to take’; (n.) **man^{y}-a* ‘hand, paw’ (no. 875).

604. (*mek^{wh}-/)*mok^{wh}- ‘to twist, to turn, to churn’ < Proto-Nostratic (vb.) *maq^{wh}- ‘to twist, to turn; to overturn, to turn upside down, to turn round’; (n.) *maq^{wh}-a ‘twist, turn; overturning’ (no. 876).

605. *mer-s-/*mor-s-/*mr̥-s- ‘to disturb, to offend, to irritate’ < Proto-Nostratic (vb.) *mar- ‘to strive against, to oppose, to fight with or against; to argue, to quarrel, to contend, to dispute, to disagree’; (n.) *mar-a ‘quarrel, argument, dispute, fight’ (no. 877).

606. *mer-yo- ‘(young) man’ < Proto-Nostratic (n.) *mar-a ‘(young) man, male (human or animal)’ (no. 878).

607. *mer-/*mor-/*mr̥- ‘to twist, to turn, to plait’ < Proto-Nostratic (vb.) *mar- ‘to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend’; (n.) *mar-a ‘the act of turning, turning over, turning round, etc.; rope, coil, string, cord’ (no. 879).

608. *merg-/*morg-/*mr̥g- ‘to go’, *mer-go-s ‘track, path, road’ (Indo-Iranian only) < Proto-Nostratic (vb.) *mar- ‘to go (round), to walk, to run; to go after, to run or chase after’ (> ‘to seek, to pursue’); (n.) *mar-a ‘walk, walking, passage; road, track, way’ (no. 880).

609. *(s)mer-/*(s)mor-/*(s)mr̥- ‘to smear, to anoint, to rub (with grease, fat, ointment)’ < Proto-Nostratic (vb.) *mar- ‘to smear, to anoint, to rub (with grease, oil, fat, ointment)’; (n.) *mar-a ‘grease, oil, fat, ointment, unguent’ (no. 881).

610. *mer-/*mor-/*mr̥- ‘(vb.) to soil, to stain; (n.) spot, stain, dirt; (adj.) dark, dirty, soiled’ < Proto-Nostratic *(vb.) mar- ‘to soil, to stain’; (n.) *mar-a ‘spot, stain, dirt’; (adj.) ‘dark, dirty, soiled’ (no. 882).

611. *mar-i- or *mor-i- ‘any body of water: sea, lake, swamp, marsh’ < Proto-Nostratic (Eurasiatic only) (n.) *mar-a ‘marsh, swamp’ (no. 883).

612. *mer-/*mor-/*mr̥- ‘(vb.) to perish; (n.) death’ < Proto-Nostratic (vb.) *mar^{y}- ‘to be weakened, to wither away, to decay; to be or become sick, to fall ill; to die (from a fatal disease), to perish’; (n.) *mar^{y}-a ‘sickness, illness, fatal disease, malady, ailment; death’ (no. 885).

613. *met^{h}- ‘middle; in the middle of, with, among’ < Proto-Nostratic (n.) *mat^{h}-a or *met^{h}-a ‘middle’; (particle) *mat^{h}- or *met^{h}- ‘in the middle of, with, among’ (no. 886).

614. *met’-/*mot’- ‘to measure, to measure out, to estimate, to reckon’ < Proto-Nostratic (vb.) *mat’- ‘to stretch, to expand, to lengthen, to draw out, to

measure out'; (n.) **mat'-a* measure, measurement, amount; extent, limit' (no. 887).

615. **mat'-* 'to be wet, moist' < Proto-Nostratic (vb.) **mat'-* 'to be or become wet, moist'; (n.) **mat'-a* 'moisture, wetness; dew, rain'; (adj.) 'wet, moist' (no. 888).

616. **mew(H)-/*mow(H)-/*mu(H)-* '(vb.) to be wet, damp; (n.) water, liquid, fluid' < Proto-Nostratic (vb.) **maw-* 'to be wet'; (n.) **maw-a* 'water, liquid, fluid' (no. 889).

617. **mel-/*mḷ-* (secondary *o*-grade form: **mol-*) 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary' < Proto-Nostratic (vb.) **mel-* 'to rub' (> 'to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary'); (n.) **mel-a* 'smoothness, softness; weakness'; (adj.) 'smooth, soft, tender, weak, worn out, tired, weary' (no. 890 or no. 899).

618. **me-/*mo-* interrogative and relative pronoun stem < Proto-Nostratic **mi-* interrogative pronoun stem, **ma-* relative pronoun stem (no. 891).

619. **me-* used to form the oblique cases of the first person personal pronoun stem and (a) **-mi* first person singular non-thematic primary ending, (b) **-m* first person singular non-thematic secondary ending < Proto-Nostratic first person singular **mi* 'I, me', first person plural (inclusive) **ma* 'we, us' (no. 892).

620. **meʔ-* (> **mē-*) 'to mow, to reap' < Proto-Nostratic (vb.) **miʔ-* 'to cut'; (n.) **miʔ-a* 'cutting instrument: knife' (later also 'sickle, scythe') (no. 893).

621. **meg^{h}-* 'to give' (Indo-Iranian only) < Proto-Nostratic (vb.) **mig-* 'to give'; (n.) **mig-a* 'gift' (no. 894).

622. **miḫ͡ḫ-* [**meḫ͡ḫ-*] (> **mē-*) 'to measure, to mark off' < Proto-Nostratic (vb.) **miḫ-* 'to measure, to mark off'; (n.) **miḫ-a* 'measure, measurement' (no. 895).

623. **mek'-* 'big, great, much' < Proto-Nostratic (vb.) **mik'-* 'to exceed, to surpass, to be in excess, to grow, to increase, to swell, to expand'; (n.) **mik'-a* 'growth, excess, increase, abundance, fullness'; (adj.) 'large, big, great, much' (no. 896).

624. **mŋ̍H-i-* '(a kind of) fish' < Proto-Nostratic (n.) **min-a* '(a kind of) fish' (no. 897).

625. *mol-/*mḷ- (secondary *e*-grade form: *mel-) ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’ < Proto-Nostratic (vb.) *mol- ‘to rub’ (> ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’); (n.) *mol-a ‘crumb, piece, morsel; mortar’; (adj.) ‘crushed, ground, worn out or down’ (no. 899 or no. 890).

626. *mar-i- or *mor-i- ‘any body of water: sea, lake, swamp, marsh’ < Proto-Nostratic (n.) *mor-a ‘any body of water: sea, lake, pool, cistern, reservoir, flood, stream, basin, canal, channel’ (no. 900).

627. (?) *mok’- ‘to toil, to suffer; to suffer pain; to labor at’ (Greek only) < Proto-Nostratic (vb.) *muk’- ‘to strain, to make great efforts’; (n.) *muk’-a ‘straining (as a woman in labor or as when defecating), effort; fatigue, suffering’ (no. 901).

628. *mon-/*mn̥- (secondary *e*-grade form: *men-) ‘(vb.) to protrude, to stand out, to jut out; (n.) highest or farthest point, topmost or most protuberant part’ < Proto-Nostratic (vb.) *mun- ‘to protrude, to stand out; to jut out; to be first, foremost, in front of’; (n.) *mun-a ‘topmost or most prominent part, highest or farthest point’ (no. 902).

629. *mon-d^{h}- ‘testicle’ (Slavic only) < Proto-Nostratic (n.) *mun-a ‘egg, testicle’; (extended form [Dravidian and Slavic]) *mun-d-a (no. 903).

630. *monk^{h}-/*mn̥k^{h}- ‘torment, torture’ < Proto-Nostratic (vb.) *muŋ- ‘to torment, to torture, to afflict; to cause pain, trouble, distress, suffering, difficulty; to suffer; to be in pain, trouble, distress, suffering, difficulty’; (n.) *muŋ-a ‘suffering, pain, malady, difficulty, distress, affliction, calamity, misery’ (no. 904).

631. *mor-/*mr̥- (secondary *e*-grade form: *mer-) ‘to crush, to destroy; to be or become crushed, to disintegrate’ < Proto-Nostratic (vb.) *mur- ‘to crush, to break, to destroy’; (n.) *mur-a ‘break, breach, rupture, fracture’; (adj.) ‘crushed, broken, destroyed, ruptured, mutilated; weakened’ (no. 905).

632. *mer-/*mor-/*mr̥- ‘to twist, to turn, to plait’ < Proto-Nostratic (vb.) *mur- ‘to turn, to twist, to bend’; (n.) *mur-a ‘bend, curve’ (no. 906).

633. *mor-o- ‘blackberry, mulberry’ < Proto-Nostratic (Eurasiatic only) (n.) *mur-a ‘mulberry, blackberry’ (no. 907).

634. *mur-, *mor-; (reduplicated) *mur-mur-, *mor-mor- ‘to murmur, to rustle, to grumble’ < Proto-Nostratic (vb.) *mur- ‘to make noise, to make sound, to

murmur'; (n.) **mur-a* 'noise, sound, murmur'; (reduplicated) (vb.) *mur-mur-*; (n.) **mur-mur-a* (no. 908).

635. **mosk'-* (secondary *e*-grade form: **mesk'-*) 'to immerse in water, to dip or plunge in water' < Proto-Nostratic (vb.) **mus^{y}-* 'to immerse, dip, or plunge in water, to bathe'; (n.) **mus^{y}-a* 'immersion, dip, plunge, bath'; (extended form) (vb.) **mus^{y}-V-k'-*; (n.) **mus^{y}-k'-a* (no. 909).

636. **moy-*/**mi-* (secondary *e*-grade form: **mey-*) 'to exchange, to change' < Proto-Nostratic (vb.) **muy-* 'to return, to give back'; (n.) **muy-a* 'that which is returned or given back: return, recompense, requital, repayment, etc.' (no. 910).

PROTO-NOSTRATIC *n > PROTO-INDO-EUROPEAN *n

637. **n(-i-)* (?) first singular pronoun stem (Tocharian only): 'I, me' < Proto-Nostratic **na* first person singular personal pronoun: 'I, me'(no. 911). Note: on the basis of Dravidian (and possibly Altaic), the original form of this stem may have been **ŋa*, but this is not certain. Sumerian (Emegir) *ĝá.e* (= /ŋa-/) 'I' supports such a reconstruction as well.

638. **ne-*/**no-*/**n̥-s-* personal pronoun of the first person dual and plural: 'we, us' < Proto-Nostratic **na* first person plural exclusive personal pronoun: 'we, us' (no. 912).

639. **ne-*, **no-*; **ʔe-no-*, **ʔo-no-* demonstrative stem: 'this, these' < Proto-Nostratic **na*, **ni* deictic particle: 'this, that' (no. 913).

640. **ʔan-*, **-ne* interrogative particles < Proto-Nostratic **na-* interrogative-relative particle (no. 914).

641. **nĕ*, **ney-* negative particles: 'no, not', **n̥-* negative prefix < Proto-Nostratic **na*, **ni*, **nu* negative/prohibitive particle: 'no, not' (no. 915).

642. (**ne$\underset{\frown}{ɬ}$-* [**na$\underset{\frown}{ɬ}$-*]/**no$\underset{\frown}{ɬ}$-* 'to travel by boat, to sail'): (nom. sg.) **ne$\underset{\frown}{ɬ}$-u-s* [**na$\underset{\frown}{ɬ}$-u-s*] 'ship, boat', (gen. sg. **ne$\underset{\frown}{ɬ}$-w-os* [**na$\underset{\frown}{ɬ}$-w-os*]) < Proto-Nostratic (vb.) **naɬ-* 'to come, to go, to journey, to travel'; (n.) **naɬ-a* 'journey' (no. 916).

643. **neb^{h}-*/**nob^{h}-* 'to burst out, to burst forth' < Proto-Nostratic (vb.) **nab-* 'to burst forth, to gush forth'; (n.) **nab-a* 'a bursting or gushing forth' (no. 917).

644. **neb^{h}-es/os-* 'heavy rain, storm cloud, cloudy sky' < Proto-Nostratic (Eurasiatic only) (n.) **nab-a* 'heavy rain, storm cloud, cloudy sky' (no. 918).

645. *neg^h-/*nog^h- ‘to strike, to split, to pierce’ < Proto-Nostratic (vb.) *nag- ‘to strike, to split, to pierce’; (n.) *nag-a ‘stroke, blow, wound’ (no. 921).

646. *$ne\underset{\smile}{ħ}\underset{\smile}{h}$- [*$na\underset{\smile}{ħ}\underset{\smile}{h}$-] (> *$nā$-) ‘to fear’ < Proto-Nostratic (vb.) *$naħ$- ‘to tremble, to shake; to fear, to be afraid’; (n.) *$naħ$-a ‘fear’ (no. 922).

647. *nak^h- ‘(animal) skin, pelt, hide’ < Proto-Nostratic (n.) *nak^h-a ‘(animal) skin, pelt, hide’ (no. 923).

648. *nek^{wh}-t^h-/*nok^{wh}-t^h- ‘night’ < Proto-Nostratic (vb.) *nak^{wh}- ‘to lie down, to go to sleep, to go to bed’; (n.) *nak^{wh}-a ‘bedtime, evening, nighttime’ (no. 924).

649. *np^h- > (with metathesis) *p^hn- in: (A) *p^hn-ew-/*p^hn-ow-/*p^hn-u-, (B) *p^hn-ek^h-, (C) *p^hn-es-/*p^hn-os- ‘to breathe, to blow’ < Proto-Nostratic (vb.) *nap^h-, *nip^h-, *nup^h- ‘to breathe, to blow’; (n.) *nap^h-a, *nip^h-a, *nup^h-a ‘breath, life’ (no. 925).

650. *net'-/*not'- ‘to wet, to moisten’ < Proto-Nostratic (vb.) *nat'- ‘to moisten, to wet’; (n.) *nat'-a ‘wetness, dampness, moistness’; (adj.) ‘wet, damp, moist’ (no. 927).

651. *ner- ‘(the foremost) man or person, hero’ < Proto-Nostratic (n.) *ner-a ‘the highest, foremost, or most prominent person or thing’ (no. 928).

652. *net'- (secondary o-grade form: *not'-) ‘to turn, to twist together, to tie, to bind’ < Proto-Nostratic (vb.) *net'^y- ‘to turn, to twist together, to tie, to bind, to weave, to entwine’; (n.) *net'^y-a ‘anything twisted together, woven, entwined: mat, net, web, etc.; weaving, entwining, braiding’ (no. 929).

653. *nek^h-/*$\underset{\wr}{ŋ}k^h$- (secondary o-grade form: *nok^h-) ‘to slay, to smite’ < Proto-Nostratic (vb.) *nik^h- ‘to strike, to hit’; (n.) *nik^h-a ‘injury, harm, damage, wound, murder, destruction; suffering, pain’ (no. 931).

654. *nek^h- (secondary o-grade form: *nok^h-) ‘to bear, to carry, to convey’ < Proto-Nostratic (vb.) *$nit\underset{\smile}{ɬ}^h$- ‘to lift (up), to raise; to carry, to take; to rise, to arise’; (n.) *$nit\underset{\smile}{ɬ}^h$-$a$ ‘the act of lifting, raising, carrying’ (no. 932).

655. *nu (adv.) ‘now’ < Proto-Nostratic *nu ‘now, at present, currently’ (no. 933).

656. *$(s)nuso$-s ‘daughter-in-law’ < Proto-Nostratic (n.) *nus^y-a ‘woman, female; any female connected by marriage: wife, bride, sister-in-law, daughter-in-law’ (no. 935).

657. **nos-* ‘to be weakened, ill, debilitated’ (Greek only) < Proto-Nostratic (vb.) **nus^{y}-* ‘to be weakened, debilitated, sick; to ache, to suffer, to be in pain’; (n.) **nus^{y}-a* ‘weakness, sickness, disease, malady, ache, pain, affliction’ (no. 936).

PROTO-NOSTRATIC *n^{y} > PROTO-INDO-EUROPEAN *n

658. **nep^{h}-(ō)t^{h}-* ‘descendant, offspring, grandson’ < Proto-Nostratic (n.) **n^{y}ap^{h}-a* ‘offspring, descendant, young one’ (no. 940).

PROTO-NOSTRATIC *l > PROTO-INDO-EUROPEAN *l

659. **lab^{h}-* ‘(vb.) to take, to seize, to take into one’s possession, to gain, to obtain; (n.) gain’ < Proto-Nostratic (vb.) **lab-* ‘to take hold of, to grasp’; (n.) **lab-a* ‘taking, grasping’ (no. 942).

660. **leg^{h}-/*log^{h}-* ‘to put, to place, to lay (down), to set; to lie (down)’ < Proto-Nostratic (vb.) **lag-* ‘to put, to place, to lay (down), to set’; (n.) **lag-a* ‘the act of putting, placing, laying, or setting down’ (no. 944).

661. **leh-p^{h}-* [*lah-p^{h}-*] (> **lāp^{h}-*) ‘to light, to burn’ < Proto-Nostratic (vb.) **lah-* ‘to shine, to blaze, to burn’; (n.) **lah-a* ‘shining, blazing, burning’ (no. 945).

662. **leh̲h̲-* [**lah̲h̲-*] (extended form **leh̲h̲-w/u-* [**lah̲h̲-w/u-*]) ‘to pour, to pour out (liquids)’ < Proto-Nostratic (vb.) **laħ-* ‘to make flow, to pour, to moisten, to wet’; (n.) **laħ-a* ‘flowing, pouring; moistness, wetness’ (no. 946).

663. **leh̲h̲-* [**lah̲h̲-*] ‘warfare, military campaign’, **leh̲h̲-wo-s* [**lah̲h̲-wo-s*] ‘men under arms (as opposed to their leaders): warriors, soldiers, troops’ < Proto-Nostratic (vb.) **laħ-* ‘to strike, to fight’; (n.) **laħ-a* ‘fight, battle, slaughter’ (no. 947).

664. **lak^{h}-* ‘to lick, to lap up’ < Proto-Nostratic (vb.) **lak^{h}-* ‘to lick, to lap up’; (n.) **lak^{h}-a* ‘licking’ (onomatopoeic) (no. 948).

665. **lak^{h}-* ‘leg, foot’ < Proto-Nostratic (vb.) **lak^{h}-* ‘to go on foot, to travel on foot’; (n.) **lak^{h}-a* ‘leg, foot’ (no. 949).

666. **lek’-/*lok’-* ‘to pick, to gather, to collect’ < Proto-Nostratic (vb.) **lak’-* ‘to gather, to collect’; (n.) **lak’-a* ‘collection’; (adj.) ‘gathered, collected, picked, chosen’ (no. 950).

667. **lik’-* ‘to lick’ < Proto-Nostratic (vb.) **lak’-*, **lik’-*, **luk’-* ‘to lick’; (n.) **lak’-a*, **lik’-a*, **luk’-a* ‘licking’ (onomatopoeic) (no. 951).

668. **lend^{h}-/*lond^{h}-/*lṇd^{h}-* ‘low-lying ground, lowland, any piece of land’ < Proto-Nostratic (vb.) **lam-* ‘to bend down, to stoop down, to sink down, to lie down, to duck down; to be or become bent down, curved down; to be low’; (n.) **lam-a* ‘lowland, low-lying ground, any piece of land’; (adj.) ‘low’; (extended form) (vb.) **lam-V-d-*; (n.) **lam-d-a* (no. 952).

669. **les-/*los-* ‘to taste, to relish’ < Proto-Nostratic (vb.) **las^{y}-*, **lis^{y}-*, **lus^{y}-* (?) ‘to lick, to lap (up)’; (n.) **las^{y}-a*, **lis^{y}-a*, **lus^{y}-a* ‘tongue; lip’ (onomatopoetic) (no. 953).

670. **let^{h}-ro-* ‘skin, hide, leather’ < Proto-Nostratic (n.) **lat^{h}-a* ‘skin’ (no. 954).

671. **lew-/*low-/*lu-* ‘to bend, to twist, to turn, to wind’ (extended forms: **lew-k’-/*low-k’-/*lu-k’-* and **lew-t’-/*low-t’-/*lu-t’-*) < Proto-Nostratic (vb.) **law-* ‘to bend, to twist, to turn’; (n.) **law-a* ‘bend, twist, turn’ (no. 955).

672. **lew-k^{h}-/*low-k^{h}-/*lu-k^{h}-* ‘to shine, to be bright’ < Proto-Nostratic (vb.) **law-* ‘to shine’; (n.) **law-a* ‘light, glow’; (adj.) ‘shining, gleaming, glowing, bright’ (no. 956).

673. **lew(H)-/*low(H)-/*lu(H)-* (> **lū-*) ‘to separate, to divide, to part, to sever, to detach’ and **lew-s-/*low-s-/*lu-s-* ‘to lose, to loosen; to untie, to undo; to release, to set free’< Proto-Nostratic (vb.) **law-* ‘to separate, to divide, to part, to sever, to detach’; (n.) **law-a* ‘part cut off, separation, division’ (no. 957).

674. **lewh̲h̲-/*lowh̲h̲-* ‘to wash, to bathe’ < Proto-Nostratic (extended form) (vb.) **law-V-ħ-* ‘to moisten, to water; to wash, to clean’; (n.) **law-ħ-a* ‘the act of bathing, washing’ (no. 958).

675. **leh̲h̲^{w}-* [**lah̲h̲^{w}-*] (> **lāw-*), (**ləh̲h̲^{w}- >*) **luh̲h̲^{w}-* (> **lū-*) ‘to hit, to strike, to beat’ < Proto-Nostratic (vb.) **lax^{w}-* ‘to strike, to hit, to beat’; (n.) **lax^{w}-a* ‘the act of striking, hitting, beating; stroke, hit, blow’ (no. 959).

676. (?) **lip’-* ‘handy, skilled, adroit’ (Germanic only [Old Icelandic]) < Proto-Nostratic (vb.) **lip’-* ‘to form, to fashion, to mold’; (n.) **lip’-a* ‘form, mold’ (no. 961).

PROTO-NOSTRATIC *r > PROTO-INDO-EUROPEAN *r

677. **reʔi-C-/*roʔi-C-/*raʔi-C-* > (with syncope of *i*) **reʔ-C-/*roʔ-C-/*raʔ-C-* > (with loss of the laryngeal) **rē-C-/*rō-C-/*ra-C-*; **reʔy-V-/*roʔy-V-/*raʔy-V-* > (with metathesis) **reyʔ-V-/*royʔ-V-/*rayʔ-V-* > (with loss of the laryngeal) **rey-V-/*roy-V-/*riy—V-* ‘to contemplate, to consider, to ponder, to reckon’ < Proto-Nostratic (vb.) **raʔ-* ‘to see, to perceive’; (n.) **raʔ-a* ‘observation,

perception, sight'; (adj.) 'seeing, perceiving'; (extended form) (vb.) **raʔ-V-y-*; (n.) **raʔ-y-a* (no. 962).

678. **reg^h-/*rog^h-* 'to stir, to move' < Proto-Nostratic (vb.) **rag-* 'to stir, to move, to shake'; (n.) **rag-a* 'movement, agitation, shaking, trembling; collapse (from shaking)' (no. 963).

679. **rek^h-/*rok^h-* '(vb.) to tie, to bind; (n.) rope, cord' < Proto-Nostratic (vb.) **rak^h-* 'to twist, to turn, to bend'; (n.) **rak^h-a* 'twist, turn, bend; tie, bond, cord' (no. 964).

680. **rek^h-/*rok^h-* 'to put together, to put in order, to arrange, to prepare, to construct' < Proto-Nostratic (vb.) **rak^h-* 'to put, join, fit, or fasten (together); to assemble, to prepare, to construct'; (n.) **rak^h-a* 'the act of putting, joining, fitting, or fastening (together); the act of assembling, preparing, constructing' (no. 965).

681. **rek'-/*rok'-/*ɾ̥k'-* 'to stretch out, to draw out, to extend' < Proto-Nostratic (vb.) **rak'-* 'to stretch, to extend, to draw out'; (n.) **rak'-a* 'the act of stretching, extending, drawing out; stretch, extension'; (adj.) 'stretched, extended, drawn out' (no. 966).

682. **rek'-/*rok'-* (lengthened-grade: **rēk'-/*rōk'-*) 'to observe, to watch, to watch out for, to care for' < Proto-Nostratic (vb.) **rak'-* 'to observe, to watch, to regard attentively; to supervise, to control'; (n.) **rak'-a* 'observation, watchfulness, care, protection' (no. 967).

683. **ret^h-/*rot^h-* 'to turn, to roll; to run' < Proto-Nostratic (vb.) **rat^h-* 'to turn, to roll; to run'; (n.) **rat^h-a* 'turning, rolling; running' (no. 969).

684. **rewħ̲ħ-/*rowħ̲ħ-/*ruħ̲ħ-* (> **rū-*) '(adj.) wide, spacious; (n.) open space' < Proto-Nostratic (vb.) **raw-V-ħ-* 'to be spacious, wide'; (n.) **raw-ħ-a* 'space, room'; (adj.) 'spacious, wide' (no. 970).

685. **rek'-/*rok'-* 'to wet, to moisten' (**rek'-nó-s* 'rain', apparently deglottalized to **rek-nó-s* in Germanic **reg-na-z* 'rain') < Proto-Nostratic (vb.) **rek'-* 'to sprinkle, to spray, to wet, to moisten'; (n.) **rek'-a* 'sprinkling, spray, rain' (no. 971).

686. **riy-C-/*rey-C-* > (**rī-C-/*)**rē-C-*; (**riy-V-/*)**rey-V-* (also **rēy-* in Indo-Iranian) 'wealth, prosperity, riches' < Proto-Nostratic (vb.) **riy-* 'to prosper, to thrive, to flourish, to increase, to grow'; (n.) **riy-a* 'increase, growth, prosperity, wealth' (no. 972).

687. **rom-*/**rm̥-* (secondary *e*-grade form: **rem-*) ‘to stop, to rest, to relax’ < Proto-Nostratic (vb.) **rom-* ‘to stop, to rest, to relax’; (adj.) **rom-a* ‘quiet, tranquil, still, gentle, silent, relaxed’ (no. 973).

688. **row-*/**rŭ̃-* (secondary *e*-grade form: **rew-*) ‘to cut, tear, or break apart’ < Proto-Nostratic (vb.) **row-* ‘to cut, tear, or break apart’; (n.) **row-a* ‘cut, tear’ (no. 974).

689. **romH-*/**rm̥H-* (secondary *e*-grade form: **remH-*) ‘dark, dark-colored’ < Proto-Nostratic (vb.) **rum-* ‘to grow or become dark; to darken’; (n.) **rum-a* ‘darkness, night; twilight, dusk’; (adj.) ‘dark’ (no. 975).

INDEX OF PROTO-NOSTRATIC ROOTS AND STEMS

PROTO-NOSTRATIC *b

1. Proto-Nostratic root *_baʕ-_ (~ *_bəʕ-_):
   (vb.) *_baʕ-_ ‘to pour’;
   (n.) *_baʕ-a_ ‘torrent, outpour’

2. Proto-Nostratic root *_baʕ-_ (~ *_bəʕ-_):
   (vb.) *_baʕ-_ ‘to tie, to bind; to attach, to fasten’;
   (n.) *_baʕ-a_ ‘tie, bond, bandage, fastening’

3. Proto-Nostratic (n.) *_baba_ ‘father’ (nursery word)

4. Proto-Nostratic (n.) *_baaba_ ‘child, babe’ (nursery word)

5. Proto-Nostratic root *_bad-_ (~ *_bəd-_):
   (vb.) *_bad-_ ‘to split, to cleave, to separate, to divide’;
   (n.) *_bad-a_ ‘split, crack, breach, opening’

6. Proto-Nostratic root *_bad-_ (~ *_bəd-_):
   (vb.) *_bad-_ ‘to waste, to dissipate, to squander’;
   (n.) *_bad-a_ ‘dissipation, waste, wasteland, desolated area’

7. Proto-Nostratic root *_bad-_ (~ *_bəd-_):
   (vb.) *_bad-_ ‘to occur, to happen, to experience, to endure; to cause to endure, to make to suffer, to oppress’;
   (n.) *_bad-a_ ‘experience, happening, trouble, distress, suffering, oppression’
   Derivative:
   (n.) *_bad-a_ ‘need, want, lack, deprivation’

8. Proto-Nostratic (n.) *_bad-a_ ‘need, want, lack, deprivation’ (> ‘hunger’):
   Derivative of:
   (vb.) *_bad-_ ‘to occur, to happen, to experience, to endure; to cause to endure, to make to suffer, to oppress’;
   (n.) *_bad-a_ ‘experience, happening, trouble, distress, suffering, oppression’

9. Proto-Nostratic root *_bad-_ (~ *_bəd-_):
   (vb.) *_bad-_ ‘to fall down, to lie down; to decay, to weaken; to perish’;
   (n.) *_bad-a_ ‘lying down, fall, sleep, ruin’

10. Proto-Nostratic root **bad-* (~ **bəd-*):
    (vb.) **bad-* ‘to bring into being, to bring forth; to bring into action, to initiate, to instigate, to activate, to originate’;
    (n.) **bad-a* ‘creation, initiation, origination’

11. Proto-Nostratic (n.) **bag-a* ‘goat, sheep’

12. Proto-Nostratic root **bag-* (~ **bəg-*):
    (vb.) **bag-* ‘to tie or bind together’;
    (n.) **bag-a* ‘collection of things bound together: bunch, bundle, pack’

13. Proto-Nostratic root **bah-* (~ **bəh-*):
    (vb.) **bah-* ‘to shine’;
    (n.) **bah-a* ‘brilliance, brightness, splendor, beauty; light’; (adj.) ‘shining, bright, radiant’

14. Proto-Nostratic root **baħ-* (~ **bəħ-*):
    (vb.) **baħ-* ‘to make noise’;
    (n.) **baħ-a* ‘noise, sound; voice’

15. Proto-Nostratic root **baħ-* (~ **bəħ-*):
    (vb.) **baħ-* ‘to cut, to cut off, to strike’;
    (n.) **baħ-a* ‘cut, strike, blow’

16. Proto-Nostratic root **bak^{h}-* (~ **bək^{h}-*):
    (vb.) **bak^{h}-* ‘to declare, to utter, to announce, to assert, to proclaim’;
    (n.) **bak^{h}-a* ‘declaration, utterance, announcement, assertion, proclamation’

17. Proto-Nostratic root **bak’-* (~ **bək’-*):
    (vb.) **bak’-* ‘to cleave, to split, to break open’;
    (n.) **bak’-a* ‘crack, split, break’

18. Proto-Nostratic root **bal-* (~ **bəl-*):
    (vb.) **bal-* ‘to be or become dark, obscure, blind’;
    (n.) **bal-a* ‘darkness, obscurity, blindness’; (adj.) ‘dark, obscure, blind’

19. Proto-Nostratic root **bal-* (~ **bəl-*):
    (vb.) **bal-* ‘to well up, to surge, to overflow, to pour over’;
    (n.) **bal-a* ‘outpour, downpour, surge, flow’

20. Proto-Nostratic root **bal-* (~ **bəl-*):
    (vb.) **bal-* ‘to bite, to eat’;
    (n.) **bal-a* ‘bite, morsel’

21. Proto-Nostratic root **bal-* (~ **bəl-*):
(vb.) **bal-* ‘to shine, to be bright’;
(n.) **bal-a* ‘glitter, gleam, brightness’

22. Proto-Nostratic root **ban-* (~ **bən-*):
(vb.) **ban-* ‘to pour, to sprinkle, to drip’;
(n.) **ban-a* ‘a drop (of water, rain, dew, etc.)’

23. Proto-Nostratic root **ban-* (~ **bən-*):
(vb.) **ban-* ‘to separate, to open, to spread’;
(n.) **ban-a* ‘separation, opening, stretch, spread, scattering’

24. Proto-Nostratic root (Eurasiatic only) **ban-* (~ **bən-*):
(vb.) **ban-* ‘to cut, to strike’;
(n.) **ban-a* ‘cut, wound’

25. Proto-Nostratic root **ban-* (~ **bən-*):
Extended form:
(vb.) **ban-V-d-* ‘to tie, bind, fasten, or twist (together)’;
(n.) **ban-d-a* ‘tie, bond’

Note: Only the extended form is attested in the daughter languages.

26. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to swell, to puff up, to expand’;
(n.) **bar-a* ‘swelling, bulge, increase’
Derivatives:
(vb.) **bar-* ‘to bristle (up), to stand on end’;
(n.) **bar-a* ‘bristle, point, spike’
(vb.) *bar-* ‘to blow’;
(n.) * *bar-a* ‘wind’
(vb.) **bar-* ‘to be thick, bushy, shaggy; to be coarse, rough, harsh’
(n.) **bar-a* ‘roughness, coarseness, harshness; thickness, shagginess’; (adj.) ‘rough, harsh, coarse; thick, shaggy, bushy’

27. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to bristle (up), to stand on end’;
(n.) **bar-a* ‘bristle, point, spike’
Derivative of:
(vb.) **bar-* ‘to swell, to puff up, to expand’;
(n.) **bar-a* ‘swelling, bulge, increase’

28. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) *bar-* ‘to blow’;
(n.) * *bar-a* ‘wind’

Derivative of:
(vb.) **bar-* ‘to swell, to puff up, to expand’;
(n.) **bar-a* ‘swelling, bulge, increase’

29. Proto-Nostratic **bar-* (~ **bər-*):
(vb.) **bar-* ‘to be thick, bushy, shaggy; to be coarse, rough, harsh’;
(n.) **bar-a* ‘roughness, coarseness, harshness; thickness, shagginess’; (adj.) ‘rough, harsh, coarse; thick, shaggy, bushy’
Derivative of:
(vb.) **bar-* ‘to swell, to puff up, to expand’;
(n.) **bar-a* ‘swelling, bulge, increase’

30. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to bear children, to give birth’;
(n.) **bar-a* ‘child’

31. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to take or seize hold of, to grasp’;
(n.) **bar-a* ‘hold, grasp, seizure’

32. Proto-Nostratic (n.) **bar-a* ‘seed, grain’

33. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to shine, to be bright, to sparkle, to flash’;
(n.) **bar-a* ‘light, brightness; lightning’

34. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to be kind, charitable, beneficent; to do good’;
(n.) **bar-a* ‘goodness, kindness’; (adj.) ‘good, kind, beneficent’

35. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to split (with a tool or weapon); to cut into, to carve; to scrape’;
(n.) **bar-a* ‘carving, engraving, cuttings, chip’

36. Proto-Nostratic root **bar-* (~ **bər-*):
(vb.) **bar-* ‘to make a sound, to utter a noise’;
(n.) **bar-a* ‘sound, noise’

37. Proto-Nostratic **bar-* (~ **bər-*):
(vb.) **bar-* ‘to walk, to go (away)’;
(n.) **bar-a* ‘walking, going (away), leaving, departing’

38. Proto-Nostratic root **bar^{y}-* (~ **bər^{y}-*):
(vb.) **bar^{y}-* ‘to be or become barren, desolate, useless, unfruitful’;

(n.) **bar^{y}-a* ‘open, fallow, or barren land’; (adj.) ‘barren, desolate, useless, unfruitful’

39. Proto-Nostratic root **baw-* (~ **bəw-*):
(vb.) **baw-* ‘to be or become aware of or acquainted with, to observe, to notice’;
(n.) **baw-a* ‘awareness, knowledge’

40. Proto-Nostratic root **bay-* (~ **bəy-*):
(vb.) **bay-* ‘to apportion, to divide into shares, to distribute, to allot, to share’;
(n.) **bay-a* ‘portion, share’

41. Proto-Nostratic (n.) **bay-a* ‘honey, bee’

42. Proto-Nostratic root **baǯ-* (~ **bəǯ-*):
(vb.) **baǯ-* ‘to be abundant, to be numerous, to be much, to be many’;
(n.) **baǯ-a* ‘abundance’; (adj.) ‘abundant, much, many’

43. Proto-Nostratic (n.) **ber-a* ‘swamp’

44. Proto-Nostratic (n.) **b[e]r-a* ‘knee’

45. Proto-Nostratic (n.) **bey-a* ‘spirit, soul, self’

46. Proto-Nostratic relational marker **bi* ‘in addition to, with, together with’

47. Proto-Nostratic root **bin-* (~ **ben-*):
(vb.) **bin-* ‘to tie (together), to fasten, to twist together, to bind (together)’;
(n.) **bin-a* ‘tie, bond’

48. Proto-Nostratic (n.) **bin-a*, **ban-a* ‘younger relative: (m.) younger brother, younger son; (f.) younger sister, younger daughter’

49. Proto-Nostratic root **bir-* (~ **ber-*):
(vb.) **bir-* ‘to swell, to rise, to grow’;
(n.) **bir-a* ‘largeness, greatness, height, tallness’; (adj.) ‘big, large, great, tall’
Extended form:
(vb.) **bir-V-g-* ‘to be high’;
(n.) **bir-g-a* ‘height, high place’; (adj.) ‘high, tall, lofty’

Note: The unextended form is found in Dravidian.

50. Proto-Nostratic root **bir-* (~ **ber-*):
(vb.) **bir-* ‘to sing, to play (a musical instrument)’;
(n.) **bir-a* ‘singing, playing (a musical instrument), musical instrument’

51. Proto-Nostratic root *bir- (~ *ber-):
(vb.) *bir- ‘to cut, rip, pull, break, or tear off; to pull’;
(n.) *bir-a ‘the act of cutting, ripping, pulling, breaking, or tearing off’

52. Proto-Nostratic root *birʸ- (~ *berʸ-):
(vb.) *birʸ- ‘to enjoy, to savor’;
(n.) *birʸ-a ‘fruit’
Extended form:
(n.) *birʸ-q’-a ‘plum’

53. Proto-Nostratic (n.) *birʸ-a ‘penis’

54. Proto-Nostratic root *bit’ʸ- (~ *bet’ʸ-):
(vb.) *bit’ʸ- ‘to press between the fingers, to squeeze, to crush’;
(n.) *bit’ʸ-a ‘squeeze, pinch, pressure’

55. Proto-Nostratic root *bit͡ɬʰ- (~ *bet͡ɬʰ-):
(vb.) *bit͡ɬʰ- ‘to break, to split, to prick (tr.); to split apart, to break open, to burst forth (intr.)’;
(n.) *bit͡ɬʰ-a ‘break, slit, hole, piece broken off’

56. Proto-Nostratic *borʸ-a ‘(n.) a dark color; (adj.) dark, dark-colored’

57. Proto-Nostratic root *bud- (~ *bud-):
(vb.) *bud- ‘to set fire to something, to kindle’;
(n.) *bud-a ‘blaze, light, fire’

58. Proto-Nostratic (n.) *bud-a ‘lowest part or region (of anything)’

59. Proto-Nostratic (n.) *bud-a ‘stick’

60. Proto-Nostratic root *bug- (~ *bog-):
(vb.) *bug- ‘to blister, to swell’;
(n.) *bug-a ‘boil, blister, pustule’

61. Proto-Nostratic root *bug- (~ *bog-):
Extended form:
(vb.) *bug-V-r- ‘to make a sound, to make a noise’;
(n.) *bug-r-a ‘sound, noise’

Note: Only the extended form is attested in the daughter languages.

62. Proto-Nostratic (n.) *buk’-a (~ *bok’-a) ‘male of small, hoofed animals: he-goat, buck’

63. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* ‘to swell, to expand, to spread out, to overflow; to puff up, to inflate’;
(n.) **bul-a* ‘large quantity or amount; expansion, spread, inflation; puff, blow’
Derivatives:
(n.) **bul-a* (~ **bol-a*) ‘penis, testicle(s)’
(vb.) **bul-V-γ-* ‘to ripen, to blossom, to bloom, to sprout, to mature’;
(n.) **bul-γ-a* ‘increase, growth, ripening, maturity, prosperity, blossoming’
Reduplicated:
(vb.) **bul-bul-* ‘to swell, to bubble up’;
(n.) **bul-bul-a* ‘puff, bubble, swelling’

64. Proto-Nostratic (n.) **bul-a* (~ **bol-a*) ‘penis, testicle(s)’:
Derivative of:
(vb.) **bul-* ‘to swell, to expand, to spread out, to overflow; to puff up, to inflate’;
(n.) **bul-a* ‘large quantity or amount; expansion, spread, inflation; puff, blow’

65. Proto-Nostratic root **bul-* (~ **bol-*):
Extended form:
(vb.) **bul-V-γ-* ‘to ripen, to blossom, to bloom, to sprout, to mature’;
(n.) **bul-γ-a* ‘increase, growth, ripening, maturity, prosperity, blossoming’
Derivative of:
(vb.) **bul-* ‘to swell, to expand, to spread out, to overflow; to puff up, to inflate’;
(n.) **bul-a* ‘large quantity or amount; expansion, spread, inflation; puff, blow’

66. Proto-Nostratic root (reduplicated) **bul-bul-* (~ **bol-bol-*) (> **bum-bul-* [~ **bom-bol-*]):
(vb.) **bul-bul-* (> **bum-bul-*) ‘to swell, to bubble up’;
(n.) **bul-bul-a* (> **bum-bul-a*) ‘puff, bubble, swelling’
Derivative of:
(vb.) **bul-* ‘to swell, to expand, to spread out, to overflow; to puff up, to inflate’;
(n.) **bul-a* ‘large quantity or amount; expansion, spread, inflation; puff, blow’

67. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* ‘to mix, to mix up, to confuse’;
(n.) **bul-a* ‘mixture, confusion, turbidity, blur’
Derivative:
(n.) **bul-a* ‘that which is dark, dark colored; that which has mixed colors, that which is spotted’

68. Proto-Nostratic (n.) **bul-a* ‘that which is dark, dark-colored; that which has mixed colors, that which is spotted’

Derivative of:
(vb.) **bul-* ‘to mix, to mix up, to confuse’;
(n.) **bul-a* ‘mixture, confusion, turbidity, blur’

69. Proto-Nostratic root **bul-* (~ **bol-*):
(vb.) **bul-* ‘to crush, to grind, to weaken, to wear down; to become worn out, weak, tired, old’;
(n.) **bul-a* ‘that which is worn out, weak, tired: weakness, decline, decay, wear, etc.; (adj.) worn out, weak, tired, old’

70. Proto-Nostratic root **bun-* (~ **bon-*):
(vb.) **bun-* ‘to puff up, to inflate, to expand, to swell’;
(n.) **bun-a* ‘rounded protuberance, swelling, lump, hump, growth’
Extended form:
(vb.) **bun-V-g-* ‘to swell, to increase, to expand’;
(n.) **bun-g-a* ‘swelling’; (adj.) ‘swollen, fat, thick’
Derivative:
(vb.) **bun-* ‘to flow, to overflow’;
(n.) **bun-a* ‘flow, flood’

71. Proto-Nostratic root **bun-* (~ **bon-*):
(vb.) **bun-* ‘to flow, to overflow’;
(n.) **bun-a* ‘flow, flood’
Derivative of:
(vb.) **bun-* ‘to puff up, to inflate, to expand, to swell’;
(n.) **bun-a* ‘rounded protuberance, swelling, lump, hump, growth’

72. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to twist, to turn’;
(n.) **bur-a* ‘twist, turn’
Derivatives:
(vb.) **bur-* ‘to fight, to wrangle (over), to quarrel, to wrestle’;
(n.) **bur-a* ‘fight, dispute, quarrel, battle, struggle’
(vb.) **bur-* ‘to bore, to pierce’;
(n.) **bur-a* ‘gimlet, borer, auger’

73. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to fight, to wrangle (over), to quarrel, to wrestle’;
(n.) **bur-a* ‘fight, dispute, quarrel, battle, struggle’
Derivative of:
(vb.) **bur-* ‘to twist, to turn’;
(n.) **bur-a* ‘twist, turn’

74. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to bore, to pierce’;

(n.) **bur-a* ‘gimlet, borer, auger’
Derivative of:
(vb.) **bur-* ‘to twist, to turn’;
(n.) **bur-a* ‘twist, turn’

75. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to blow, to blow about, to whirl, to rage’;
(n.) **bur-a* ‘storm, whirl, rage’

76. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to bite, to eat’;
(n.) **bur-a* ‘food’

77. Proto-Nostratic root **bur-* (~ **bor-*):
(vb.) **bur-* ‘to cover, to wrap up’;
(n.) **bur-a* ‘cover, covering’

78. Proto-Nostratic (n.) **bur-a* ‘(fine, soft) feathers, fur, wool, (body) hair’

79. Proto-Nostratic (n.) **bur-a* ‘eyelash, eyebrow’

80. Proto-Nostratic root **buw-* (~ **bow-*):
(vb.) **buw-* ‘to go, to come, to proceed, to spend time’;
(n.) **buw-a* ‘going, coming, staying; abode, dwelling, residence’

81. Proto-Nostratic root **buw-* (~ **bow-*):
(vb.) **buw-* ‘to become, to arise, to come into being, to grow’;
(n.) **buw-a* ‘growth, fullness, prosperity; blossom, bloom’

PROTO-NOSTRATIC **pʰ* (> PROTO-AFRASIAN **p*)

82. Proto-Nostratic root **pʰačʰ-* (~ **pʰəčʰ-*):
(vb.) **pʰačʰ-* ‘to split or break open, to split or break apart’;
(n.) **pʰačʰ-a* ‘crack, split, opening, break’

83. Proto-Nostratic root **pʰač’-* (~ **pʰəč’-*):
(vb.) **pʰač’-* ‘to cover up’;
(n.) **pʰač’-a* ‘skin, hide, covering’

84. Proto-Nostratic root **pʰaħ-* (~ **pʰəħ-*):
(vb.) **pʰaħ-* ‘to eat;
(n.) **pʰaħ-a* ‘food, nourishment’

85. Proto-Nostratic (n.) **pʰakʰ-a* ‘scab, dried mucus’

86. Proto-Nostratic (n.) *p^hal-a (metathesized variant *lap^h-a in Uralic, Altaic, and part of Afrasian) ‘spleen’

87. Proto-Nostratic root *p^hal- (~ *p^həl-):
(vb.) *p^hal- ‘to split, to cleave’;
(n.) *p^hal-a ‘split, crack’
Derivative:
(n.) *p^hal-a ‘stone’

88. Proto-Nostratic (n.) *p^hal-a ‘stone’
Derivative of:
(vb.) *p^hal- ‘to split, to cleave’ (in the sense ‘to chip or break stone[s]’);
(n.) *p^hal-a ‘split, crack’

89. Proto-Nostratic root *p^hal- (~ *p^həl-):
(vb.) *p^hal- ‘to spread, to extend’;
(n.) *p^hal-a ‘that which is wide, flat, level, broad, open: expanse, open space or surface’; (adj.) ‘wide, flat, level, broad, open’
Derivative:
(n.) *p^hal-a ‘flat of the hand, palm’

90. Proto-Nostratic (n.) *p^hal-a ‘flat of the hand, palm’
Derivative of:
(vb.) *p^hal- ‘to spread, to extend’;
(n.) *p^hal-a ‘that which is wide, flat, level, broad, open: expanse, open space or surface’; (adj.) ‘wide, flat, level, broad, open’

91. Proto-Nostratic root *p^hal- (~ *p^həl-):
(vb.) *p^hal- ‘to fill’;
(n.) *p^hal-a ‘fullness’; (adj.) ‘much, many’

92. Proto-Nostratic (n.) *p^hal-a ‘settlement, settled place’

93. Proto-Nostratic (n.) *p^hal-a ‘thumb, big toe’

94. Proto-Nostratic root *p^hal- (~ *p^həl-):
(vb.) *p^hal- ‘to cover, to hide, to conceal’;
(n.) *p^hal-a ‘covering’

95. Proto-Nostratic root *p^hal^y- (~ *p^həl^y-):
(vb.) *p^hal^y- ‘to burn, to be warm; to smart, to be painful’;
(n.) *p^hal^y-a ‘burn, burning sensation, pain’

96. Proto-Nostratic root *p^haŋ- (~ *p^həŋ-):
(vb.) *p^haŋ- ‘to take in hand, to take hold of, to handle’;

(n.) *$p^haŋ$-*a* ‘hand, handle’
Extended form (Indo-European and Uralic):
(vb.) *$p^haŋ$-*V*-$k^{w}h$- ‘to take in hand, to take hold of, to handle’;
(n.) *$p^haŋ$-$k^{w}h$-*a* ‘hand, handle’

97. Proto-Nostratic (n.) *$p^haŋ$-*a* ‘front part, head, forehead, face’

98. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to be fond of, to care for, to feel affection for; to be pleased, happy, satisfied, or delighted with’;
(n.) *p^har-*a* ‘love, affection; delight, joy’:

99. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to separate, to divide, to break (apart)’;
(n.) *p^har-*a* ‘part, portion, share’

100. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to spread, to scatter’;
(n.) *p^har-*a* ‘breadth, width, extension, space’; (adj.) ‘broad, extended, spread out, scattered’

101. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to press forward, to precede, to hasten in advance, to overtake, to surpass, to outstrip’;
(n.) *p^har-*a* ‘leader, master, lord, hero’; (adj.) ‘chief, foremost, first’

102. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *p^har-*a* ‘flying, flight, fleeing’
Note also:
(vb.) *p^hir- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *p^hir-*a* ‘flying, flight, fleeing’

103. Proto-Nostratic (n.) *p^har-*a* ‘calf, heifer’
Note also:
(n.) *p^hur-*a* ‘calf, heifer’

104. Proto-Nostratic (n.) *p^har-*a*, (?) *p^hur-*a* ‘house’

105. Proto-Nostratic root *p^har- (~ *$p^hər$-):
(vb.) *p^har- ‘to go or pass; to go or pass over or across; to go forth or out’;
(n.) *p^har-*a* ‘going, passage, journey, crossing’

106. Proto-Nostratic root *$p^h ar^y$- (~ *$p^h ər^y$-):
(vb.) *$p^h ar^y$- ‘to cover’;
(n.) *$p^h ar^y$-*a* ‘covering’

107. Proto-Nostratic root *$p^h ar^y$- (~ *$p^h ər^y$-):
(vb.) *$p^h ar^y$- ‘to ripen, to mature, to grow old, (hair) to turn gray’;
(n.) *$p^h ar^y$-*a* ‘ripeness, maturity’; (adj.) ‘ripe, mature, gray’

108. Proto-Nostratic root *$p^h as^y$- (~ *$p^h əs^y$-):
(vb.) *$p^h as^y$- ‘to breathe out, to blow; to fart’;
(n.) *$p^h as^y$-*a* ‘a fart’

109. Proto-Nostratic root *$p^h as^y$- (~ *$p^h əs^y$-):
(vb.) *$p^h as^y$- ‘to split, to cleave, to break, to shatter’;
(n.) *$p^h as^y$-*a* ‘split, break; part, share, portion’

110. Proto-Nostratic (n.) *$p^h as^y$-*a* ‘sperm, semen; male genitals, penis; descendant, offspring’

111. Proto-Nostratic root *$p^h at^h$- (~ *$p^h ət^h$-):
(vb.) *$p^h at^h$- ‘to flutter, to quiver, to tremble, to palpitate, to move rapidly’;
(n.) *$p^h at^h$-*a* ‘haste, hurry’

112. Proto-Nostratic root *$p^h at^h$- (~ *$p^h ət^h$-):
(vb.) *$p^h at^h$- ‘to open; to be wide, open, spacious, spread out; to stretch, to extend, to spread out’;
(n.) *$p^h at^h$-*a* ‘opening, open space’; (adj.) ‘wide, open, spacious’

113. Proto-Nostratic root *$p^h at'$- (~ *$p^h ət'$-):
(vb.) *$p^h at'$- ‘to hasten, to move quickly’;
(n.) *$p^h at'$-*a* ‘foot’

114. Proto-Nostratic (n.) *$p^h at'$-*a* ‘chaff, husk, (unripe or blighted) grain’

115. Proto-Nostratic root (Eurasiatic only) *$p^h ek^{wh}$-:
(vb.) *$p^h ek^{wh}$- ‘to warm, to heat’ (> ‘to cook, to bake’);
(n.) *$p^h ek^{wh}$-*a* ‘warmth, heat’; (adj.) ‘warm, hot’ (> ‘cooked, baked’)

116. Proto-Nostratic root *$p^h el$-:
(vb.) *$p^h el$- ‘to tremble, to shake; to be frightened, fearful, afraid’;
(n.) *$p^h el$-*a* ‘fright, fear’

117. Proto-Nostratic root *$p^h id$- (~ *$p^h ed$-):
(vb.) *$p^h id$- ‘to seize, to hold, to clutch, to capture, to cling to’;
(n.) *$p^h id$-*a* ‘hold, grasp’

118. Proto-Nostratic root *$p^{h}in^{y}$- (~ *$p^{h}en^{y}$-):
(vb.) *$p^{h}in^{y}$- ‘to watch (over), to protect, to nourish, to nurture’;
(n.) *$p^{h}in^{y}$-*a* ‘protection, care; feeding, nourishing, nourishment’

119. Proto-Nostratic root *$p^{h}ir$- (~ *$p^{h}er$-):
(vb.) *$p^{h}ir$- ‘to bring forth, to bear fruit’;
(n.) *$p^{h}ir$-*a* ‘birth, issue, offspring, descendant, fruit’

120. Proto-Nostratic root *$p^{h}ir$- (~ *$p^{h}er$-):
(vb.) *$p^{h}ir$- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *$p^{h}ir$-*a* ‘flying, flight, fleeing’
Note also:
(vb.) *$p^{h}ar$- ‘to move swiftly, to hasten, to be in a hurry, to be greatly agitated; to flutter, to fly, to flee’;
(n.) *$p^{h}ar$-*a* ‘flying, flight, fleeing’

121. Proto-Nostratic root *$p^{h}ir$- (~ *$p^{h}er$-):
(vb.) *$p^{h}ir$- ‘to twist, to turn’;
(n.) *$p^{h}ir$-*a* ‘twist, twining, turn; twine, string, rope, cord’

122. Proto-Nostratic root *$p^{h}ir$- (~ *$p^{h}er$-):
(vb.) *$p^{h}ir$- ‘to tremble, to shake; to be afraid, to fear’;
(n.) *$p^{h}ir$-*a* ‘trembling, fear’

123. Proto-Nostratic root *$p^{h}it'^{y}$- (~ *$p^{h}et'^{y}$-):
(vb.) *$p^{h}it'^{y}$- ‘to give birth to’;
(n.) *$p^{h}it'^{y}$-*a* ‘genitals (male or female); birth, origin’

124. Proto-Nostratic root *$p^{h}u\text{ʔ}$- (~ *$p^{h}o\text{ʔ}$-):
(vb.) *$p^{h}u\text{ʔ}$- ‘to swell, to fatten’;
(n.) *$p^{h}u\text{ʔ}$-*a* ‘swelling, fullness, fat(ness)’

125. Proto-Nostratic root *$p^{h}ul$- (~ *$p^{h}ol$-) stem indicating downward motion:
(vb.) *$p^{h}ul$- ‘to fall, to fall down, to collapse, to ruin, etc.’;
(n.) *$p^{h}ul$-*a* ‘fall, collapse, ruin’; (n.) ‘fallen, ruined, weakened; low, base, vile, mean’

126. Proto-Nostratic root *$p^{h}ul^{y}$- (~ *$p^{h}ol^{y}$-):
(vb.) *$p^{h}ul^{y}$- ‘to swell’;
(n.) *$p^{h}ul^{y}$-*a* ‘a swelling (on the skin): blister, abscess, pimple, etc.’
Derivative:
(n.) *$p^{h}ul^{y}$-*a* ‘that which is fat, swollen, etc.’ (> ‘tallow, grease, fat, oil, blubber, etc.’ in the daughter languages)

127. Proto-Nostratic (n.) *p^hul^y-*a* ‘that which is fat, swollen, etc.’ (> ‘tallow, grease, fat, oil, blubber, etc.’ in the daughter languages)
Derivative of:
(vb.) *p^hul^y- ‘to swell’;
(n.) *p^hul^y-*a* ‘a swelling (on the skin): blister, abscess, pimple, etc.’

128. Proto-Nostratic (n.) *p^hur-*a* ‘calf, heifer’
Note also:
(n.) *p^har-*a* ‘calf, heifer’

129. Proto-Nostratic root *$p^huš$- (~ *$p^hoš$-):
(vb.) *$p^huš$- ‘to breathe out, to sigh; to blow, to puff (up), to inflate’;
(n.) *$p^huš$-*a* ‘puff, breath, snort; bulge’

PROTO-NOSTRATIC *p^h (> PROTO-AFRASIAN *f)

130. Proto-Nostratic root *$p^haħ$- (~ *$p^həħ$-):
(vb.) *$p^haħ$- ‘to warm, to heat, to burn’;
(n.) *$p^haħ$-*a* ‘fire, flame, spark’
Extended form:
(vb.) *$p^haħ$-*V*-*w*- ‘to warm, to heat, to burn’;
(n.) *$p^haħ$-*w*-*a* ‘fire, flame, spark’

131. Proto-Nostratic (n.) *p^hal-*a* ‘skin, hide’

132. Proto-Nostratic root *p^hid- (~ *p^hed-):
(vb.) *p^hid- ‘to tear, to pluck, to pull; to tear off, to pluck off, to pull off; to tear out, to pluck out, to pull out’;
(n.) *p^hid-*a* ‘the act of pulling, tearing, plucking’

133. Proto-Nostratic root *p^hil^y- (~ *p^hel^y-):
(vb.) *p^hil^y- ‘to split, to cleave’;
(n.) *p^hil^y-*a* ‘split, crack’

134. Proto-Nostratic root *p^hin- (~ *p^hen-):
(vb.) *p^hin- ‘to break’;
(n.) *p^hin-*a* ‘break’

135. Proto-Nostratic root *p^hir- (~ *p^her-):
(vb.) *p^hir- ‘to ask, to request, to entreat, to beseech, to pray’;
(n.) *p^hir-*a* ‘request, entreaty, prayer’

136. Proto-Nostratic root *p^hut^h- (~ *p^hot^h-):
(vb.) *p^hut^h- ‘to vomit’;

(n.) *p^hut^h-*a* ‘vomit’

137. Proto-Nostratic (n.) *p^hut^h-*a* ‘hole, opening’

138. Proto-Nostratic root *p^huw- (~ *p^how-):
(vb.) *p^huw- ‘to puff, to blow, to exhale; to puff up, to inflate’;
(n.) *p^huw-*a* ‘a puff, the act of blowing, breath’

PROTO-NOSTRATIC *p’

139. Proto-Nostratic (n.) *p’ap’-*a* ‘old man, old woman’

140. Proto-Nostratic root *p’ul- (~ *p’ol-):
(vb.) *p’ul- ‘to swell’;
(n.) *p’ul-*a* ‘swelling, hump, lump, bulge’; (adj.) ‘swollen, round, bulbous’

141. Proto-Nostratic root *$p'ul^y$- (~ *$p'ol^y$-):
(vb.) *$p'ul^y$- ‘to blow about; to give off smoke, vapor, steam’;
(n.) *$p'ul^y$-*a* ‘mist, fog, haze; smoke, steam; cloud’

142. Proto-Nostratic root *p’ut’- (~ *p’ot’-):
(vb.) *p’ut’- ‘to cut, tear, break, or pull off or apart’;
(n.) *p’ut’-*a* ‘cut-off, pulled-off, torn-off, or broken-off piece or part’

PROTO-NOSTRATIC *d

143. Proto-Nostratic relational marker *da- (~ *də-) ‘along with, together with, in addition to’

144. Proto-Nostratic (n.) *da- ‘mother, sister’; (reduplicated) (n.) *da-da- ‘mother, sister’ (nursery words)

145. Proto-Nostratic root *dab- (~ *dəb-):
(vb.) *dab- ‘to make fast, to join together, to fit together, to fasten (together)’;
(n.) *dab-*a* ‘joining, fitting, fastening’

146. Proto-Nostratic root *dag- (~ *dəg-):
(vb.) dag- ‘to put, to place, to put in place; to be put in place, to be stable, to be firmly established’;
(n.) *dag-*a* ‘place’

147. Proto-Nostratic root *daɢ- (~ *dəɢ-):
(vb.) *daɢ- ‘to glitter, to shine, to burn’;

(n.) **daɢ-a* ‘day’

148. Proto-Nostratic root **dal-* (~ **dəl-*):
(vb.) **dal-* ‘to cut, to prick, to pierce, to gash, to notch, to gouge, to wound’;
(n.) **dal-a* ‘gash, notch, strike, split’

149. Proto-Nostratic root **dal-* (~ **dəl-*):
(vb.) **dal-* ‘to stir up, to disturb, to roil (water), to agitate; to be disturbed, confused, agitated, troubled’;
(n.) **dal-a* ‘disturbance, agitation’
Note also:
(vb.) **dul-* ‘to disturb, to perplex, to bewilder, to confuse, to ruffle, to upset, to baffle, to stir up trouble, to agitate; to be disturbed, perplexed, bewildered, confused, ruffled, upset, baffled, troubled, agitated’ (> ‘to drive someone crazy, mad, insane; to be crazy, mad, insane; to be dumb, stupid’);
(n.) **dul-a* ‘confusion, disturbance, trouble, agitation, perplexity’ (> ‘madness, craziness, insanity; stupidity’)

150. Proto-Nostratic root **dalʸ-* (~ **dəlʸ-*):
(vb.) **dalʸ-* ‘to oppress, to harass, to weaken, to tire’;
(n.) **dalʸ-a* ‘tiredness, weakness, exhaustion, weariness’; (adj.) ‘oppressed, tired, weary, weak, exhausted’

151. Proto-Nostratic (n.) **daqʰ-a* ‘male of certain animals: billy-goat, ram’

152. Proto-Nostratic root **dar-* (~ **dər-*):
(vb.) **dar-* ‘to bend, to twist, to turn; to twist, wrap, or join together’;
(n.) **dar-a* ‘bend, turn, curve; that which bends, turns, winds, or twists: winding course or way’; (adj.) ‘bent, curved, crooked; wrapped, twisted, turned, or joined together’

153. Proto-Nostratic root **dar-* (~ **dər-*):
(vb.) **dar-* ‘to pound, to break; to harm, to injure, to torment’;
(n.) **dar-a* ‘harm, injury’; (adj.) ‘harmful, malevolent’ (> ‘bad’ in Kartvelian and, within Indo-European, in Celtic)

154. Proto-Nostratic root **dar-* (~ **dər-*):
(vb.) **dar-* ‘to be or become dark’;
(n.) **dar-a* ‘dark spot, darkness’; (adj.) ‘dark, black’

155. Proto-Nostratic root **darʸ-* (~ **dərʸ-*):
(vb.) **darʸ-* ‘to swell, to enlarge’;
(n.) **darʸ-a* ‘swelling, inflammation, blister, blotch, blemish; outgrowth, tumor’

156. Proto-Nostratic root (?) **daw-* (~ **dəw-*):
(vb.) **daw-* ‘to sound, to resound, to make a noise’;
(n.) **daw-a* ‘sound, noise’

157. Proto-Nostratic root **daw-* (~ **dəw-*):
(vb.) **daw-* ‘to put, to place, to set; to set up, to establish; to do, to make’;
(n.) **daw-a* ‘work, labor; deed, act’

158. Proto-Nostratic root **daw-* (~ **dəw-*):
(vb.) **daw-* ‘to become deathly sick, to be ill; to die’;
(n.) **daw-a* ‘(deadly) disease, sickness; death’

159. Proto-Nostratic root **day-* (~ **dəy-*):
(vb.) **day-* ‘to throw, to cast, to put, to place’;
(n.) **day-a* ‘act, deed’

160. Proto-Nostratic root **day-* (~ **dəy-*):
(vb.) **day-* ‘to look at, to consider, to examine’;
(n.) **day-a* ‘judgment, examination, consideration’

161. Proto-Nostratic root **day-* (~ **dəy-*):
(vb.) **day-* ‘to take, to bring, to convey’;
(n.) **day-a* ‘leader, guide’

162. Proto-Nostratic root **did-* (~ **ded-*):
(vb.) **did-* ‘to swell, to rise’;
(n.) **did-a* ‘prominence, protuberance’; (adj.) ‘swollen, raised’

163. Proto-Nostratic (n.) **dig-a* ‘fish’

164. Proto-Nostratic root **diɢ-* (~ **deɢ-*):
(vb.) **diɢ-* ‘to be confused, puzzled, perplexed’;
(n.) **diɢ-a* ‘confusion, perplexity’

165. Proto-Nostratic root **dil^{y}-* (~ **del^{y}-*):
(vb.) **dil^{y}-* ‘to shine, to be or become bright’;
(n.) **dil^{y}-a* ‘daylight, morning’

166. Proto-Nostratic (n.) **dim-a* ‘raised or elevated place’; (adj.) ‘raised, elevated’

167. Proto-Nostratic root **diq^{h}-* (~ **deq^{h}-*):
(vb.) **diq^{h}-* ‘to crush, to pound or tamp (earth), to mold or knead (clay)’;
(n.) **diq^{h}-a* ‘earth, clay, mud’

168. Proto-Nostratic root **diy-* (~ **dey-*):
(vb.) **diy-* ‘to suck, to suckle’;
(n.) **diy-a* ‘breast, teat, nipple’

169. Proto-Nostratic root **dow-*, **doy-*:
(vb.) **dow-*, **doy-* ‘to slacken, to slow down; to grow weary, weak, faint’;
(n.) **dow-a*, **doy-a* ‘slackness, slowness, laxity, weariness, fatigue’; (adj.) ‘slow, slack, lax, weary’

170. Proto-Nostratic (n.) **dub-a* ‘back, hind part’

171. Proto-Nostratic (n.) **dud-a* ‘tip, point’

172. Proto-Nostratic root **dul-* (~ **dol-*):
(vb.) **dul-* ‘to burn, to be bright, to warm, to heat up’;
(n.) **dul-a* ‘heat, warmth, fire’

173. Proto-Nostratic root **dul-* (~ **dol-*):
(vb.) **dul-* ‘to disturb, to perplex, to bewilder, to confuse, to ruffle, to upset, to baffle, to stir up trouble, to agitate; to be disturbed, perplexed, bewildered, confused, ruffled, upset, baffled, troubled, agitated’ (> ‘to drive someone crazy, mad, insane; to be crazy, mad, insane; to be dumb, stupid’);
(n.) **dul-a* ‘confusion, disturbance, trouble, agitation, perplexity’ (> ‘madness, craziness, insanity; stupidity’)
Note also:
(vb.) **dal-* ‘to stir up, to disturb, to roil (water), to agitate; to be disturbed, confused, agitated, troubled’;
(n.) **dal-a* ‘disturbance, agitation’

174. Proto-Nostratic root **dul^{y}-* (~ **dol^{y}-*):
(vb.) **dul^{y}-* ‘to dangle, to hang, to swing back and forth’;
(n.) **dul^{y}-* ‘hanging, swinging; shaking, agitation, disturbance’

175. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* ‘to cut (off), to sever’;
(n.) **dum-a* ‘cut, severance; piece cut off, bit, fragment’

176. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* ‘to be silent’;
(n.) **dum-a* ‘silence’

177. Proto-Nostratic root **dum-* (~ **dom-*):
(vb.) **dum-* ‘to cover over, to obscure; to cloud over; to become dark, to make dark, to darken’;

(n.) **dum-a* ‘darkness, cloud, fog’; (adj.) ‘dark, cloudy’
Derivative:
(n.) (**dum-k’^{w}-a* >) **dun-k’^{w}-a* ‘darkness, cloud’; (adj.) ‘dark, cloudy’

178. Proto-Nostratic (n.) (**dum-k’^{w}-a* >) **dun-k’^{w}-a* ‘darkness, cloud’; (adj.) ‘dark, cloudy’:
Derivative of:
(vb.) **dum-* ‘to cover over, to obscure; to cloud over; to become dark, to make dark, to darken’;
(n.) **dum-a* ‘darkness, cloud, fog’; (adj.) ‘dark, cloudy’

179. Proto-Nostratic root **dun-* (~ **don-*):
(vb.) **dun-* ‘to run, to flow (out), to leak’;
(n.) **dun-a* ‘flow, spill, leak’

180. Proto-Nostratic root **dun^{y}-* (~ **don^{y}-*):
(vb.) **dun^{y}-* ‘to cut off, to cleave, to split’;
(n.) **dun^{y}-a* ‘part, share; piece cut off, bit, fragment’

181. Proto-Nostratic root **dur-* (~ **dor-*):
(vb.) **dur-* ‘to bore, to drill, to make a hole’;
(n.) **dur-a* ‘hole, opening’

182. Proto-Nostratic (n.) **dur-a* ‘goat, sheep, ram’ (perhaps originally ‘horned animal’)

183. Proto-Nostratic root **duw-* (~ **dow-*):
(vb.) **duw-* ‘to blow about, to fly about, to scatter; to be blown, strewn, or scattered about’;
(n.) **duw-a* ‘anything blown, sprinkled, scattered, or strewn about: smoke, steam, vapor; rain, shower, drizzle, raindrops; dust’; (adj.) ‘blown about, sprinkled, scattered, strewn’

PROTO-NOSTRATIC *t^{h}

184. Proto-Nostratic demonstrative stems:
Proximate: **t^{h}a-* (~ **t^{h}ə-*) ‘this’;
Intermediate: **t^{h}i-* (~ **t^{h}e-*) ‘that’;
Distant: **t^{h}u-* (~ **t^{h}o-*) ‘that yonder’

185. Proto-Nostratic root **t^{h}aħ-* (~ **t^{h}əħ-*):
(vb.) **t^{h}aħ-* ‘to reduce, to diminish, to wear away, to lessen; to waste away, to grow thin’;
(n.) **t^{h}aħ-a* ‘wear, decay, dissipation, maceration’

186. Proto-Nostratic root *t^hak^h- (~ *t^hək^h-):
(vb.) *t^hak^h- ‘to twist, to bend; to fasten, twist, bend, join, or hook together; to be twisted, bent’;
(n.) *t^hak^h-*a* ‘hook, peg’

187. Proto-Nostratic root *t^hak'- (~ *t^hək'-):
(vb.) *t^hak'- ‘to touch, to push, to strike’;
(n.) *t^hak'-*a* ‘touch, stroke’

188. Proto-Nostratic (n.) *t^hal-*a* ‘head, top, end’

189. Proto-Nostratic root *t^hal^y- (~ *t^həl^y-):
(vb.) *t^hal^y- (primary meaning) ‘to stretch, to spread, to extend’, (secondary meaning) ‘to endure, to suffer, to bear’;
(n.) *t^hal^y-*a* ‘stretch, spread, thinness, breadth; pain, suffering, endurance’; (adj.) ‘stretched, spread out, extended’ (> ‘broad, wide, thin, flat, etc.’)

190. Proto-Nostratic root *t^hal^y- (~ *t^həl^y-):
(vb.) *t^hal^y- ‘to press, to thrust, to force, to push’;
(n.) *t^hal^y-*a* ‘pressure, thrust, force, push’

191. Proto-Nostratic root *t^han^y- (~ *t^hən^y-):
(vb.) *t^han^y- ‘to extend, to spread, to stretch; to endure, to be long-lasting’;
(n.) *t^han^y-*a* ‘extension, width, length, breadth’; (adj.) ‘stretched, extended, wide, broad, long-lasting’
Derivative:
(vb.) *t^han^y- ‘to be or become worn out, tired, old’;
(n.) *t^han^y-*a* ‘exhaustion, weariness, fatigue’; (adj.) ‘worn out, tired, old’

192. Proto-Nostratic root *t^han^y- (~ *t^hən^y-):
(vb.) *t^han^y- ‘to grow weary, exhausted, tired, old’;
(n.) *t^han^y-*a* ‘exhaustion, weariness, fatigue, old age’; (adj.) ‘tired, weary, exhausted, old’
Derivative of:
(vb.) *t^han^y- ‘to extend, to spread, to stretch; to endure, to be long-lasting’;
(n.) *t^han^y-*a* ‘extension, width, length, breadth’; (adj.) ‘stretched, extended, wide, broad, long-lasting’

193. Proto-Nostratic root *t^hap^h- (~ *t^həp^h-):
(vb.) *t^hap^h- ‘to strike, to knock, to hit, to beat, to pound; to trample’;
(n.) *t^hap^h-*a* ‘stroke, slap, blow, hit’
Note also:
(vb.) *$t'ap^h$- ‘to strike, to beat, to pound’;
(n.) *$t'ap^h$-*a* ‘stroke, blow’

194. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to draw, to drag, to pull’;
(n.) *t^h*ar-a* ‘drag, pull; something dragged or pulled along’
Possible derivative:
(vb.) *t^h*ar*- ‘to spread, to spread out or about, to expand, to extend; to stretch, to stretch out; to scatter, to strew’;
(n.) *t^h*ar-a* ‘stretch, spread, expanse’; (adj.) ‘stretched, tight, taut; spread, scattered, dispersed’

195. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to spread, to spread out or about, to expand, to extend; to stretch, to stretch out; to scatter, to strew’;
(n.) *t^h*ar-a* ‘stretch, spread, expanse’; (adj.) ‘stretched, tight, taut; spread, scattered, dispersed’
Perhaps derived from:
(vb.) *t^h*ar*- ‘to draw, to drag, to pull’, in the sense ‘to stretch by pulling’;
(n.) *t^h*ar-a* ‘drag, pull; something dragged or pulled along’

196. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to tear, to break, to split, to pierce’;
(n.) *t^h*ar-a* ‘cut, tear, split, incision; wound, injury; spear’

197. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to rub, to wear down’;
(n.) *t^h*ar-a* ‘wear’; (adj.) ‘worn out, rubbed, abraded’
Possible Derivatives:
(vb.) *t^h*ar*- ‘to wither, to wane, to dry up’;
(n.) *t^h*ar-a* ‘dryness’; (adj.) ‘withered, dry, dried up, arid’
(vb.) *t^h*ar*- ‘to scratch, to scrape, to plane’;
(n.) *t^h*ar-a* ‘scratching, scraping, raking; rake, comb’

198. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to wither, to wane, to dry up’;
(n.) *t^h*ar-a* ‘dryness’; (adj.) ‘withered, dry, dried up, arid’
Perhaps derived from:
(vb.) *t^h*ar*- ‘to rub, to wear down’;
(n.) *t^h*ar-a* ‘wear’; (adj.) ‘worn out, rubbed, abraded’

199. Proto-Nostratic root *t^h*ar*- (~ *t^h*ər*-):
(vb.) *t^h*ar*- ‘to scratch, to scrape, to plane’;
(n.) *t^h*ar-a* ‘scratching, scraping, raking; rake, comb’
Perhaps derived from:
(vb.) *t^h*ar*- ‘to rub, to wear down’;
(n.) *t^h*ar-a* ‘wear’; (adj.) ‘worn out, rubbed, abraded’

200. Proto-Nostratic root *t^h*ar-* (~ *t^h*ər-*):
(vb.) *t^h*ar-* ‘to drink’;
(n.) *t^h*ar-a* ‘a drink; the act of drinking’; (adj.) ‘drunk, tipsy, intoxicated’

201. Proto-Nostratic root *t^h*ar-* (~ *t^h*ər-*):
(vb.) *t^h*ar-* ‘to tremble, to shake’;
(n.) *t^h*ar-a* ‘trembling, shaking (from fear, fright)’

202. Proto-Nostratic root *t^h*aw-* (~ *t^h*əw-*):
(vb.) *t^h*aw-* ‘to swell’;
(n.) *t^h*aw-a* ‘swelling, protuberance, bulge, lump, hump’; (adj.) ‘swollen, full, fat’

203. Proto-Nostratic *t^h*ek^h-*:
(vb.) *t^h*ek^h-* ‘to take (away), to grasp, to seize, to remove’;
(n.) *t^h*ek^h-a* ‘the act of taking, grasping, seizing, removing’

204. Proto-Nostratic root (Eurasiatic only) *t^h*ep^h-*:
(vb.) *t^h*ep^h-* ‘to warm, to burn’;
(n.) *t^h*ep^h-a* ‘heat, warmth’
Note also:
(vb.) *t*’ab-* ‘to be or become warm; to make warm, to heat up; to cook’;
(n.) *t*’ab-a* ‘heat, warmth’; (adj.) ‘hot, warm; cooked, baked’

205. Proto-Nostratic second person pronoun stem: *t^h*i-* (~ *t^h*e-*) ‘you’; (oblique form) *t^h*a-* (~ *t^h*ə-*)

206. Proto-Nostratic root *t^h*ik^h-* (~ *t^h*ek^h-*):
(vb.) *t^h*ik^h-* ‘to form, to fashion, to make, to create’;
(n.) *t^h*ik^h-a* ‘tool used to form, fashion, make, or create something: axe, adze, chisel, etc.; the act of forming, fashioning, making, or creating something: action, deed, etc.’

207. Proto-Nostratic root *t^h*ik’-* (~ *t^h*ek’-*):
(vb.) *t^h*ik’-* ‘to press or squeeze together’;
(n.) *t^h*ik’-a* ‘pressure, solidity, hardness, massiveness, firmness’; (adj.) ‘compact, thick, massive, solid, firm’

208. Proto-Nostratic root *t^h*ir-* (~ *t^h*er-*):
(vb.) *t^h*ir-* ‘to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty’;
(n.) *t^h*ir-a* ‘abundance, fullness’; (adj.) ‘enough, abundant, full’
Extended form:
(vb.) *t^h*ir-V-p^h-* ‘to have enough, to have all needs fulfilled, to be satisfied, to have plenty’;

(n.) *t^h*ir-*p^h*-a* ‘abundance, excess, surplus, plenty’

209. Proto-Nostratic root *t^h*ir-* (~ *t^h*er-*):
Extended form:
(vb.) *t^h*ir-V-*p^h*-* ‘to have enough, to have all needs fulfilled, to be satisfied, to have plenty’;
(n.) *t^h*ir-*p^h*-a* ‘abundance, excess, surplus, plenty’
Derivative of:
(vb.) *t^h*ir-* ‘to have enough or more than enough, to have all needs fulfilled, to be satisfied, to have plenty’;
(n.) *t^h*ir-a* ‘abundance, fullness’; (adj.) ‘enough, abundant, full’

210. Proto-Nostratic (n.) *t^h*or^y*-a* ‘dust, soil, earth’

211. Proto-Nostratic root *t^h*ow-*:
(vb.) *t^h*ow-* ‘to snow’;
(n.) *t^h*ow-a* ‘snow-storm; snow, (hoar)frost’

212. Proto-Nostratic root *t^h*uk^h-* (~ *t^h*ok^h-*):
(vb.) *t^h*uk^h-* ‘to burn, to blaze’;
(n.) *t^h*uk^h-a* ‘ash(es), soot’

213. Proto-Nostratic root *t^h*ul-* (~ *t^h*ol-*):
(vb.) *t^h*ul-* ‘to lift, to raise; to pile up, to stack (in a heap)’;
(n.) *t^h*ul-a* ‘hill, mound; stack, heap’

214. Proto-Nostratic root *t^h*um-* (~ *t^h*om-*):
(vb.) *t^h*um-* ‘to cover over, to hide; to become dark’;
(n.) *t^h*um-a* ‘darkness’; (adj.) ‘dark’

215. Proto-Nostratic root *t^h*up^h-*:
(vb.) *t^h*up^h-* ‘to spit’;
(n.) *t^h*up^h-a* ‘spittle, saliva’

216. Proto-Nostratic root *t^h*ur-* (~ *t^h*or-*):
(vb.) *t^h*ur-* ‘to cram, to push in, to stuff, to thrust in, to press in’;
(n.) *t^h*ur-a* ‘pressure, force, thrust’

PROTO-NOSTRATIC *t’

217. Proto-Nostratic root *t’ab- (~ *t’əb-):
(vb.) *t’ab-* ‘to be or become warm; to make warm, to heat up; to cook’;
(n.) *t’ab-a* ‘heat, warmth’; (adj.) ‘hot, warm; cooked, baked’
Note also:

(vb.) *t^hep^h- ‘to warm, to burn’;
(n.) *t^hep^h-*a* ‘heat, warmth’

218. Proto-Nostratic root *t’ad- (*t’əd-):
(vb.) *t’ad- ‘to hinder, to stop, to obstruct’;
(n.) *t’ad-*a* ‘hindrance, obstacle, impediment, obstruction’

219. Proto-Nostratic root *t’aħ- (~ *t’əħ-):
(vb.) *t’aħ- ‘to break, to split; to crush, to grind, to pound’;
(n.) *t’aħ-*a* ‘break, split, division; anything ground or pulverized’

220. Proto-Nostratic root *$t’ak^h$- (~ *$t’ək^h$-):
(vb.) *$t’ak^h$- ‘to be fit, appropriate, suitable, proper’;
(n.) *$t’ak^h$-*a* ‘fitness, appropriateness, suitability, propriety’; (adj.) ‘fit, appropriate, suitable, proper’

221. Proto-Nostratic root *t’al- (~ *t’əl-):
(vb.) *t’al- ‘to lick’;
(n.) *t’al-*a* ‘licking’

222. Proto-Nostratic root *t’al- (~ *t’əl-):
(vb.) *t’al- ‘to plunge, sink, dive, dip, or fall into; to immerse’;
(n.) *t’al-*a* ‘immersion; depth’

223. Proto-Nostratic root *t’al- (~ *t’əl-):
(vb.) *t’al- ‘to stretch out, to extend’;
(n.) *t’al-*a* ‘length; height’; (adj.) ‘long, tall; high’

224. Proto-Nostratic root *$t’al^y$-:
(vb.) *$t’al^y$- ‘to drip, to fall in drops, to sprinkle, to wet, to moisten’;
(n.) *$t’al^y$-*a* ‘dew, (rain) drop, drizzle’

225. Proto-Nostratic root *t’am-:
(vb.) *t’am- ‘to make or construct (something) in a skillful manner’ (> ‘to build’);
(n.) *t’am-*a* ‘the act of making or constructing (something) in a skillful manner’ (> ‘craft, skill’); ‘that which is made or constructed in a skillful manner’ (> ‘building, structure’); ‘one who makes or constructs (something) in a skillful manner’ (> ‘craftsman, carpenter’)

226. Proto-Nostratic root *t’an- (~ *t’ən-):
(vb.) *t’an- ‘to fill, to stuff, to pack or load tightly together’;
(n.) *t’an-*a* ‘closeness, thickness, density; load, burden’; (adj.) ‘tightly packed or pressed together; close, thick, dense’

227. Proto-Nostratic root **t'an-* (~ **t'ən-*):
(vb.) **t'an-* 'to tie, to bind, to plait, to weave';
(n.) **t'an-a* 'anything woven or plaited'

228. Proto-Nostratic root **t'ap^h-* (~ **t'əp^h-*):
(vb.) **t'ap^h-* 'to strike, to beat, to pound';
(n.) **t'ap^h-a* 'stroke, blow'
Note also:
(vb.) **t^{h}ap^h-* 'to strike, to knock, to hit, to beat, to pound; to trample';
(n.) **t^{h}ap^h-a* 'stroke, slap, blow, hit'

229. Proto-Nostratic root **t'aq'-* (~ **t'əq'-*):
(vb.) **t'aq'-* 'to cover, to protect';
(n.) **t'aq'-a* 'covering'

230. Proto-Nostratic root **t'ar-* (~ **t'ər-*):
(vb.) **t'ar-* 'to tear, to rend, to cut, to sever';
(n.) **t'ar-a* 'rip, tear, cut, slice'
Extended form:
(vb.) **t'ar-V-p^h-* 'to tear, to rend, to pluck';
(n.) **t'ar-p^h-a* 'tearing, rending, plucking'

231. Proto-Nostratic root **t'ar-* (~ **t'ər-*):
Extended form:
(vb.) **t'ar-V-p^h-* 'to tear, to rend, to pluck';
(n.) **t'ar-p^h-a* 'tearing, rending, plucking'
Derivative of:
(vb.) **t'ar-* 'to tear, to rend, to cut, to sever';
(n.) **t'ar-a* 'rip, tear, cut, slice'

232. Proto-Nostratic root **t'aw-* (~ **t'əw-*):
(vb.) **t'aw-* 'to go, to leave, to go away; to let go';
(n.) **t'aw-a* 'distance, remoteness'; (adj.) 'far away, remote, at a distance'

233. Proto-Nostratic root **t'aw-* (~ **t'əw-*):
(vb.) **t'aw-* 'to hit, to strike';
(n.) **t'aw-a* 'stroke, blow, injury, harm, damage'

234. Proto-Nostratic (Eurasiatic only) (n.) **t'ay-a* '(elder) male in-law, (elder) male relative'

235. Proto-Nostratic root **t'ay-* (~ **t'əy-*) or **t'iy-* (~ **t'ey-*):
(vb.) **t'ay-* or **t'iy-* 'to shine, to gleam, to be bright, to glitter, to glow; to burn brightly';
(n.) **t'ay-a* or **t'iy-a* 'light, brightness, heat'

236. Proto-Nostratic root **t'eʔ-*:
(vb.) **t'eʔ-* 'to say, to speak';
(n.) **t'eʔ-a* 'sound, speech'

237. Proto-Nostratic root **t'el-*:
(vb.) **t'el-* 'to ask for, to request, to beg, to beseech';
(n.) **t'el-a* 'request, wish, desire'

238. Proto-Nostratic (n.) **t'id-a* 'elevated ground, hill, mountain':

239. Proto-Nostratic root **t'il-* (~ **t'el-*):
(vb.) **t'il-* 'to say, to tell; to recount, to list, to enumerate';
(n.) **t'il-a* 'talk, speech, discourse, tale'
Derivative:
(n.) **t'il-a* 'tongue, language'

240. Proto-Nostratic (n.) **t'il-a* 'tongue, language':
Derivative of:
(vb.) **t'il-* 'to say, to tell; to recount, to list, to enumerate';
(n.) **t'il-a* 'talk, speech, discourse, tale'

241. Proto-Nostratic (n.) **t'or^{y}-a* 'tree, the parts of a tree' (> 'leaf, branch, bark, etc.')

242. Proto-Nostratic root (Eurasiatic only) **t'ox^{w}-*:
(vb.) **t'ox^{w}-* 'to give, to bring';
(n.) **t'ox^{w}-a* 'giving, gift, present'

243. Proto-Nostratic root **t'uʔ^{w}-* (~ **t'oʔ^{w}-*):
(vb.) **t'uʔ^{w}-* 'to separate, divide, or split into two parts; to cut in half';
(n.) **t'uʔ^{w}-a* 'separation or division into two; two halves'
Note: used as the base for the numeral 'two' in Indo-European and Altaic.

244. Proto-Nostratic root **t'uk'-* (~ **t'ok'-*):
(vb.) **t'uk'-* 'to knock, to beat, to strike, to pound, to trample';
(n.) **t'uk'-a* 'knock, thump, blow, stroke'

245. Proto-Nostratic (Eurasiatic only) (n.) **t'ul^{y}-a* 'wedge, peg'

246. Proto-Nostratic root **t'um-* (~ **t'om-*):
(vb.) **t'um-* 'to quiet, to calm, to pacify, to tame';
(n.) **t'um-a* 'quietness, calmness, peace, tranquility'; (adj.) 'quiet, calm, tame, peaceful'

247. Proto-Nostratic root *t'uq'^{w}- (~ *t'oq'^{w}-):
(vb.) *t'uq'^{w}- 'to be dark, cloudy, dusty, dirty, sooty, smoky';
(n.) *t'uq'^{w}-a 'darkness, (dark) cloud, dust, dirt, soot, smoke'

PROTO-NOSTRATIC *dʸ

248. Proto-Nostratic root *dʸab- (~ *dʸəb-):
(vb.) *dʸab- 'to beat, to hit, to strike, to harm, to injure';
(n.) *dʸab-a 'stroke, blow, harm, injury; slaughter, killing'

249. Proto-Nostratic root *dʸak^{wh}- (~ *dʸək^{wh}-):
(vb.) *dʸak^{wh}- 'to blaze, to be bright';
(n.) *dʸak^{wh}-a '(burning) embers, fire, flame'

250. Proto-Nostratic (n.) *dʸan-w-a 'a kind of tree or bush'

251. Proto-Nostratic root *dʸar- (~ *dʸər-):
(vb.) *dʸar- 'to hold firmly';
(n.) *dʸar-a 'firm grip; hand, arm'

252. Proto-Nostratic root *dʸaw- (~ *dʸəw-):
(vb.) *dʸaw- 'to run, to flow';
(n.) *dʸaw-a 'stream, current, flow'; (adj.) 'running, flowing'

253. Proto-Nostratic indefinite pronoun stem *dʸi- (~ *dʸe-) 'this one, that one'

254. Proto-Nostratic root *dʸiʔ- (~ *dʸeʔ-):
(vb.) *dʸiʔ- 'to reach, to arrive at, to come to; to surpass, to exceed';
(n.) *dʸiʔ-a 'arrival, attainment, ripening'

255. Proto-Nostratic root *dʸip^{h}- (~ *dʸep^{h}-):
(vb.) *dʸip^{h}- 'to stink, to give off a strong odor';
(n.) *dʸip^{h}-a 'pungent smell, stench'

PROTO-NOSTRATIC *tʸʰ

256. Proto-Nostratic deictic stem *tʸ^{h}a- 'that over there, that yonder (not very far)'

257. Proto-Nostratic root *tʸ^{h}al- (~ *tʸ^{h}əl-):
(vb.) *tʸ^{h}al- 'to strike with a sharp instrument';
(n.) *tʸ^{h}al-a 'strike, blow; sharp instrument'
Derivative:
(n.) *tʸ^{h}al-m-a 'breach, opening, gap; crack, fissure, rift; hole'

258. Proto-Nostratic root *$t^{yh}al$- (~ *$t^{yh}əl$-):
Extended form:
(n.) *$t^{yh}al$-*m*-*a* ‘breach, opening, gap; crack, fissure, rift; hole’
Derivative of:
(vb.) *$t^{yh}al$- ‘to strike with a sharp instrument’;
(n.) *$t^{yh}al$-*a* ‘strike, blow; sharp instrument’

259. Proto-Nostratic root *$t^{yh}ar$- (~ *$t^{yh}ər$-):
(vb.) *$t^{yh}ar$- ‘to advance to or toward an end or a goal; to attain or achieve an end or a goal, to reach, to come to, to arrive at’;
(n.) *$t^{yh}ar$-*a* ‘advance, arrival, goal, attainment, end, aim; approach’

260. Proto-Nostratic (n.) *$t^{yh}in$-*a* ‘the other or opposite side’; (adj.) ‘different, other’

261. Proto-Nostratic root *$t^{yh}iq'^{w}$- (~ *$t^{yh}eq'^{w}$-):
(vb.) *$t^{yh}iq'^{w}$- ‘to swell’;
(n.) *$t^{yh}iq'^{w}$-*a* ‘swelling, growth’

262. Proto-Nostratic (n.) *$t^{yh}om$-*a* ‘wild bovine’

263. Proto-Nostratic root *$t^{yh}um$- (~ *$t^{yh}om$-):
(vb.) *$t^{yh}um$- ‘to strike, to beat, to pound, to knock; to tire out, to weary; to be or become weak or weary, to fade, to waste away’;
(n.) *$t^{yh}um$-*a* ‘fatigue, weariness, dullness, stupor’

PROTO-NOSTRATIC *t'^{y}

264. Proto-Nostratic root *$t'^{y}ad$- (~ *$t'^{y}əd$-):
(vb.) *$t'^{y}ad$- ‘to strike, to beat, to pound, to hammer’;
(n.) *$t'^{y}ad$-*a* ‘hammer’

265. Proto-Nostratic root *$t'^{y}ak^{h}$- (~ *$t'^{y}ək^{h}$-):
(vb.) *$t'^{y}ak^{h}$- ‘to cut into small pieces, to chop, to chip’;
(n.) *$t'^{y}ak^{h}$-*a* ‘chip, small piece’

266. Proto-Nostratic root *$t'^{y}al$- (~ *$t'^{y}əl$-) and/or *$t'^{y}il$- (~ *$t'^{y}el$-):
(vb.) *$t'^{y}al$- and/or *$t'^{y}il$- ‘to overshadow, to cover over, to make dark’;
(n.) *$t'^{y}al$-*a* and/or *$t'^{y}il$-*a* ‘shade, shadow; covering; darkness’

267. Proto-Nostratic root *$t'^{y}am$- (~ *$t'^{y}əm$-):
(vb.) *$t'^{y}am$- ‘to be sour, bitter’;
(n.) *$t'^{y}am$-*a* ‘that which is sour, bitter, rotten, or spoiled’

268. Proto-Nostratic root **t'ʸar-* (~ **t'ʸər-*):
(vb.) **t'ʸar-* 'to be or become stuck, joined, or bound together; to be firmly or strongly attached';
(n.) **t'ʸar-a* 'firmness, solidity, strength'; (adj.) 'firm, solid, strong, steadfast'
Derivative:
(vb.) **t'ʸar-* 'to be rough, coarse, rigid, stiff, hard';
(n.) **t'ʸar-a* 'that which is rough, coarse, rigid, stiff, hard'; (adj.) 'rough, coarse, rigid, stiff, hard'

269. Proto-Nostratic root **t'ʸar-* (~ **t'ʸər-*):
(vb.) **t'ʸar-* 'to be rough, coarse, rigid, stiff, hard';
(n.) **t'ʸar-a* 'that which is rough, coarse, rigid, stiff, hard'; (adj.) 'rough, coarse, rigid, stiff, hard'
Derivative of:
(vb.) **t'ʸar-* 'to be or become stuck, joined, or bound together; to be firmly or strongly attached';
(n.) **t'ʸar-a* 'firmness, solidity, strength'; (adj.) 'firm, solid, strong, steadfast'

270. Proto-Nostratic (n.) **t'ʸar-a* 'poplar tree, wood of the poplar':
Perhaps derived from:
(vb.) **t'ʸar-* 'to be or become stuck, joined, or bound together; to be firmly or strongly attached';
(n.) **t'ʸar-a* 'firmness, solidity, strength'; (adj.) 'firm, solid, strong, steadfast'

271. Proto-Nostratic root **t'ʸar-* (~ **t'ʸər-*):
(vb.) **t'ʸar-* 'to cut, to split';
(n.) **t'ʸar-a* 'cut, split, rip, tear; damage'; (adj.) 'cut, split, ripped, torn'

272. Proto-Nostratic root **t'ʸar-* (~ **t'ʸər-*) (onomatopoeic):
(vb.) **t'ʸar-* 'to make a noise';
(n.) **t'ʸar-a* '(rustling or rumbling) noise'

273. Proto-Nostratic (n.) **t'ʸaw-a* 'bad thing, evil, wickedness'; (adj.) 'bad, evil'

274. Proto-Nostratic root **t'ʸiŋ-* (~ **t'ʸeŋ-*):
(vb.) **t'ʸiŋ-* 'to think, to consider';
(n.) **t'ʸiŋ-a* 'thought, consideration, idea'

275. Proto-Nostratic root **t'ʸip^{h}-* (~ **t'ʸep^{h}-*):
(vb.) **t'ʸip^{h}-* 'to pinch, to nip';
(n.) **t'ʸip^{h}-a* 'fingernail, claw'

276. Proto-Nostratic root **t'ʸor-*:
(vb.) **t'ʸor-* 'to run, to flow';
(n.) **t'ʸor-a* 'running, flowing'; (adj.) 'speedy, swift'

PROTO-NOSTRATIC *s^{y}

277. Proto-Nostratic root *$s^{y}am$- (~ *$s^{y}əm$-):
(vb.) *$s^{y}am$- ‘to be hot, sunny’;
(n.) *$s^{y}am$-a ‘summer’

278. Proto-Nostratic root *$s^{y}aw$- (~ *$s^{y}əw$-):
(vb.) *$s^{y}aw$- ‘to be dry, arid, withered’;
(n.) *$s^{y}aw$-a ‘dryness, dry place’; (adj.) ‘dry, arid, withered’

279. Proto-Nostratic root *$s^{y}aw$- (~ *$s^{y}əw$-) or *$s^{y}ew$-:
(vb.) *$s^{y}aw$- ‘to give birth, to bring forth, to be born’;
(n.) *$s^{y}aw$-a ‘son, child’

280. Proto-Nostratic (n.) *$s^{y}aw$-a ‘wild boar’

281. Proto-Nostratic root *$s^{y}ax^{w}$- (~ *$s^{y}əx^{w}$-):
(vb.) *$s^{y}ax^{w}$- ‘to be or become hot, warm; to heat up, to make hot, to warm, to burn’;
(n.) *$s^{y}ax^{w}$-a ‘warmth, heat; sun’

282. Proto-Nostratic root *$s^{y}en^{y}$-:
(vb.) *$s^{y}en^{y}$- ‘to change, to deteriorate, to grow old’;
(n.) *$s^{y}en^{y}$-a ‘old age; old person’; (adj.) ‘aged, old’

283. Proto-Nostratic (Eurasiatic only) (n.) *$s^{y}il$-a ‘fat, lard’

284. Proto-Nostratic root *$s^{y}il^{y}$- (~ *$s^{y}el^{y}$-):
(vb.) *$s^{y}il^{y}$- ‘to take (away), to seize, to snatch’;
(n.) *$s^{y}il^{y}$-a ‘removal, robbery, plunder’

285. Proto-Nostratic root *$s^{y}ir$- (~ *$s^{y}er$-):
(vb.) *$s^{y}ir$- ‘to twist, turn, tie, or bind together’;
(n.) *$s^{y}ir$-a ‘band, cord, any cord-like object: sinew, tendon, nerve, vein’
Perhaps related to:
(n.) *$s^{y}ir$-a ‘root (of tree or plant)’

286. Proto-Nostratic (n.) *$s^{y}ir$-a ‘root (of tree or plant)’
Perhaps related to:
(vb.) *$s^{y}ir$- ‘to twist, turn, tie, or bind together’;
(n.) *$s^{y}ir$-a ‘band, cord, any cord-like object: sinew, tendon, nerve, vein’

287. Proto-Nostratic root *$s^{y}ol$-:
(vb.) *$s^{y}ol$- ‘to be safe, well, sound’;
(n.) *$s^{y}ol$-a ‘safety; health, welfare’; (adj.) ‘safe, well, sound’

288. Proto-Nostratic root *s^y*or*-:
(vb.) *s^y*or*- ‘to surge, gush, flow, spring, or spread forth’;
(n.) *s^y*or-a* ‘surge, gush, flow’

289. Proto-Nostratic (n.) *s^y*ub-a* ‘end, edge; top, front part’

290. Proto-Nostratic root *s^y*ur*- (~ *s^y*or*-):
(vb.) *s^y*ur*- ‘to frighten; to be or become frightened, to fear’;
(n.) *s^y*ur-a* ‘fear’

291. Proto-Nostratic root *s^y*uw*- (~ *s^y*ow*-):
(vb.) *s^y*uw*- ‘to be proper, fitting, suitable, appropriate, good, well, fine, beautiful’;
(n.) *s^y*uw-a* ‘propriety, suitability, appropriateness’; (adj.) ‘proper, fitting, suitable, appropriate’

Semantics as in Geez / Ethiopic *šannaya* [ሠነየ] ‘to be beautiful, to be good, to seem good, to be well, to be fine, to be excellent, to be fitting, to be appropriate’ and its derivatives.

PROTO-NOSTRATIC *ʒ

292. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- ‘to push, to shove, to drive’;
(n.) *ʒag-a* ‘push, shove, force’
Related to:
(vb.) *ʒag- ‘to stuff, press, or squeeze tight’;
(n.) *ʒag-a* ‘plug’; (adj.) ‘pressing, squeezing, cramming’

293. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- ‘to stuff, press, or squeeze tight’;
(n.) *ʒag-a* ‘plug’; (adj.) ‘pressing, squeezing, cramming’
Related to:
(vb.) *ʒag- ‘to push, to shove, to drive’;
(n.) *ʒag-a* ‘push, shove, force’

294. Proto-Nostratic root *ʒag- (~ *ʒəg-):
(vb.) *ʒag- ‘to whet, to sharpen’;
(n.) *ʒag-a* ‘edge, side’

295. Proto-Nostratic root *ʒak’- (~ *ʒək’-):
(vb.) *ʒak’- ‘to make fun of, to deride, to mock; to make sport, to play about, to joke’;
(n.) *ʒak’-a* ‘mockery, ridicule, sport’

296. Proto-Nostratic root *ʒar- (~ *ʒər-) or *ǯar- (~ *ǯər-):
(vb.) *ʒar- or *ǯar- ‘to run, flow, leak, or spill out; to spring forth, to issue (from); to flow or gush forth’;
(n.) *ʒar-a or *ǯar-a ‘drizzle, rain, downpour; current, stream, torrent’

297. Proto-Nostratic root *ʒer- or *ǯer-:
(vb.) *ʒer- or *ǯer- ‘to pierce, to jab, to stab, to thrust or shove into’;
(n.) *ʒer-a or *ǯer-a ‘spear, javelin, weapon’

298. Proto-Nostratic root *ʒil- (~ *ʒel-) or *ǯil- (~ *ǯel-):
(vb.) *ʒil- or *ǯil- ‘to flow, to flow forth’;
(n.) *ʒil-a or *ǯil-a ‘drip, drop, raindrop’; (adj.) ‘flowing, trickling, dropping, sprinkling’
Probably identical to:
(vb.) *ʒil- or *ǯil- ‘to glide, to slide’;
(n.) *ʒil-a or *ǯil-a ‘the act of slipping, sliding, gliding’; (adj.) ‘smooth, slippery’

299. Proto-Nostratic root *ʒil- (~ *ʒel-) or *ǯil- (~ *ǯel-):
(vb.) *ʒil- or *ǯil- ‘to glide, to slide’;
(n.) *ʒil-a or *ǯil-a ‘the act of slipping, sliding, gliding’; (adj.) ‘smooth, slippery’
Probably identical to:
(vb.) *ʒil- or *ǯil- ‘to flow, to flow forth’;
(n.) *ʒil-a or *ǯil-a ‘drip, drop, raindrop’; (adj.) ‘flowing, trickling, dropping, sprinkling’

300. Proto-Nostratic root *ʒim- (~ *ʒem-) or *ǯim- (~ *ǯem-):
(vb.) *ʒim- or *ǯim- ‘to blow, to play (a wind instrument)’;
(n.) *ʒim-a or *ǯim-a ‘blowing, playing (a wind instrument)’

301. Proto-Nostratic root *ʒum- (~ *ʒom-) or *ǯum- (~ *ǯom-):
(vb.) *ʒum- or *ǯum- ‘to take, to seize’;
(n.) *ʒum-a or *ǯum-a ‘the act of taking or seizing’; (adj.) ‘taking, seizing’

302. Proto-Nostratic (repuplicated) (n.) *ʒuʒ-a (< *ʒu-ʒu-) ‘tip, point’ (> ‘nipple, breast’)

PROTO-NOSTRATIC *cʰ

303. Proto-Nostratic root *cʰag- (~ *cʰəg-):
(vb.) *cʰag- ‘to prick, to pierce’;
(n.) *cʰag-a ‘prick, sting, rupture’

304. Proto-Nostratic root *c^h*aħ*- (~ *c^h*əħ*-):
(vb.) *c^h*aħ*- ‘to crush, to pound, to grind, to beat, to bruise, to destroy’;
(n.) *c^h*aħ-a* ‘the act of crushing, beating, thrashing, pounding, grinding’; (adj.) ‘crushing, beating, thrashing, pounding, grinding’

305. Proto-Nostratic root *c^h*al*- (~ *c^h*əl*-):
(vb.) *c^h*al*- ‘to cut, to split, to cleave, to break off or apart’;
(n.) *c^h*al-a* ‘cut, crack, split; stroke, blow’
Derivative:
(n.) *c^h*al-a* ‘part, piece, chip, fragment’

306. Proto-Nostratic (n.) *c^h*al-a* ‘part, piece, chip, fragment’:
Derivative of:
(vb.) *c^h*al*- ‘to cut, to split, to cleave, to break off or apart’;
(n.) *c^h*al-a* ‘cut, crack, split; stroke, blow’

307. Proto-Nostratic root *c^h*uk^h*- (~ *c^h*ok^h*-):
(vb.) *c^h*uk^h*- ‘to close, to shut, to cover’;
(n.) *c^h*uk^h-a* ‘closure, cover, stoppage’

PROTO-NOSTRATIC *c’

308. Proto-Nostratic root *c’al- (~ *c’əl-) or *č’al- (~ *č’əl-):
(vb.) *c’al- or *č’al- ‘to stretch out, to extend, to exceed; to be wealthy, to prosper, to do well’;
(n.) *c’al-a* or *č’al-a* ‘wealth, prosperity, abundance’

309. Proto-Nostratic root *c’ar- (~ *c’ər-) stem indicating downward motion:
(vb.) *c’ar- ‘to slip or slide down, to fall down, to roll down, to lean or bend down, to throw down’;
(n.) *c’ar-a* ‘the act of slipping, sliding, falling, or rolling down’;
(particle) *c’ar- ‘down’

310. Proto-Nostratic root *c’ar- (~ *c’ər-) or *č’ar- (~ *č’ər-):
(vb.) *c’ar- or *č’ar- ‘to be or become visible, clear, evident; to reveal, to make known, to make clear, to clarify’;
(n.) *c’ar-a* or *č’ar-a* ‘visibility, clarity’; (adj.) ‘visible, clear, evident’

311. Proto-Nostratic root *c’aw- (~ *c’əw-):
(vb.) *c’aw- ‘to be or become dry, withered, emaciated, lean’;
(n.) *c’aw-a* ‘that which is withered, dry, lean, blighted’; (adj.) ‘dry, withered, lean, blighted’
Extended form:
(vb.) *c’aw-V-l^y*- ‘to be or become dry, withered, emaciated, lean’;

(adj.) **c'aw-lʸ-a* 'that which is withered, dry, lean, blighted'; (adj.) 'dry, withered, lean, blighted'

312. Proto-Nostratic root **c'ilʸ-* (~ **c'elʸ-*):
(vb.) **c'ilʸ-* 'to strip off, to peel off, to pick, to pluck';
(n.) **c'ilʸ-a* 'peeling, picking, plucking'

313. Proto-Nostratic root **c'irʸ-* (~ **c'erʸ-*):
(vb.) **c'irʸ-* 'to squeak, to chirp, to cheep, to peep';
(n.) **c'irʸ-a* 'a kind of bird'

314. Proto-Nostratic root **c'ur-* (~ **c'or-*):
(vb.) **c'ur-* 'to twist, to turn, to revolve; to press, tie, or bind together; to wrap up; to surround, to encircle, to enclose';
(n.) **c'ur-a* 'that which is tied, twisted, wrapped, or bound together: coil, wrapping, binding, loop, etc.; that which surrounds, encircles, or encloses: enclosure, wall, surroundings, circle'

PROTO-NOSTRATIC *s

315. Proto-Nostratic root **saʔ-* (~ **səʔ-*):
Extended form:
(vb.) **saʔ-V-y-* 'to sift';
(n.) **saʔ-y-a* 'sieve'

316. Proto-Nostratic root **sadʸ-* (~ **sədʸ-*):
(vb.) **sadʸ-* 'to hear, to listen, to judge';
(n.) **sadʸ-a* 'hearing, judgment, condemnation, punishment'

317. Proto-Nostratic root **sag-* (~ **səg-*) or **šag-* (~ **šəg-*):
(vb.) **sag-* or **šag-* 'to reach, to arrive at, to attain, to achieve, to get, to obtain';
(n.) **sag-a* or **šag-a* 'acquisition, attainment, victory'

318. Proto-Nostratic root **saħ-* (~ **səħ-*) or **šaħ-* (~ **šəħ-*):
(vb.) **saħ-* or **šaħ-* 'to examine, to consider, to try to find out, to try to understand, to think about';
(n.) **saħ-a* or **šaħ-a* 'thought, idea, understanding, inquiry, examination, consideration, investigation'

319. Proto-Nostratic root **sakʰ-* (~ **səkʰ-*):
(vb.) **sakʰ-* 'to cut, to split';
(n.) **sakʰ-a* 'any sharp instrument used for cutting: knife, sword, dagger, axe, etc.'

320. Proto-Nostratic root **sak'ʷ-* (~ **sək'ʷ-*):
(vb.) **sak'ʷ-* 'to tie, to bind, to fasten';
(n.) **sak'ʷ-a* 'fastening, loop'

321. Proto-Nostratic root **sal-* (~ **səl-*):
(vb.) **sal-* 'to go up, to lift up, to raise up';
(n.) **sal-a* 'ascent; height'; (adj.) 'elevated, high, raised'

322. Proto-Nostratic root **sam-* (~ **səm-*):
(vb.) **sam-* 'to resemble, to be like';
(n.) **sam-a* 'form, shape, appearance, likeness'; (adj.) 'similar, alike, same'

323. Proto-Nostratic root **san-* (~ **sən-*) or **šan-* (~ **šən-*), **sin-* (~ **sen-*) or **šin-* (~ **šen-*), **sun-* (~ **son-*) or **šun-* (~ **šon-*):
(vb.) **san-* or **šan-*, **sin-* or **šin-*, **sun-* or **šun-* 'to sense, to perceive';
(n.) **san-a* or **šan-a*, **sin-a* or **šin-a*, **sun-a* or **šun-a* '(a) that which senses or perceives: mind, nose; (b) that which is sensed or perceived: perception, sense, feeling'

324. Proto-Nostratic (Eurasiatic only) (n.) **s[e]n-a* or **š[e]n-a* (the root vowel is uncertain but is probably **e*) 'sinew, tendon'

325. Proto-Nostratic second person pronoun stem **si-* (~ **se-*) 'you'

326. Proto-Nostratic 3rd person pronoun stem **si-* (~ **se-*) 'he, she, it; him, her; they, them'; 3rd person possessive suffix **-si* (~ **-se*) 'his, her, its; their'

327. Proto-Nostratic root **sig-* (~ **seg-*):
(vb.) **sig-* 'to flow forth, to rain';
(n.) **sig-a* 'flowing, raining, storm'

328. Proto-Nostratic root **siħ-* (~ **seħ-*):
(vb.) **siħ-* 'to scatter, to strew, to cast or throw, to sprinkle (with water)';
(n.) **siħ-a* 'the act of scattering, strewing, casting, or throwing about'; (adj.) 'scattered, strewn, cast, or thrown about'

PROTO-NOSTRATIC **ǯ*

329. Proto-Nostratic root **ǯaʔ-* (~ **ǯəʔ-*):
(vb.) **ǯaʔ-* 'to die, to fade, to wither';
(n.) **ǯaʔ-a* 'death'

330. Proto-Nostratic (n.) **ǯagʷ-a* 'a small tree, a bush or shrub'

331. Proto-Nostratic root **ǯaħ-* (~ **ǯəħ-*):
(vb.) **ǯaħ-* ‘to call (out), to cry (out)’;
(n.) **ǯaħ-a* ‘call, cry; name’

332. Proto-Nostratic root **ǯal-* (~ **ǯəl-*):
(vb.) **ǯal-* ‘to fasten, to tie’;
(n.) **ǯal-a* ‘string, strap, cord’

333. Proto-Nostratic root **ǯaw-* (~ **ǯəw-*):
(vb.) **ǯaw-* ‘to wear out, to be used up, to cease to function’;
(n.) **ǯaw-a* ‘cessation, end, extinction’; (adj.) ‘worn out, used up, wasted, decrepit, old’

334. Proto-Nostratic (n.) **ǯem-a* ‘anything that is sour, bitter, pungent, sharp’; (adj.) ‘sour, bitter, pungent, sharp’

PROTO-NOSTRATIC **čʰ*

335. Proto-Nostratic root **čʰal-* (~ **čʰəl-*):
(vb.) **čʰal-* ‘to leave, to leave behind, to abandon, to get rid of, to empty; to set free, to release, to let go’;
(n.) **čʰal-a* ‘freedom, leisure, emptiness’; (adj.) ‘empty, abandoned, released, freed (from), at leisure’

Semantics as in Sanskrit *ric-* and its derivatives: *ric-* ‘to empty, to evacuate, to leave, to give up, to resign; to release, to set free; to leave behind; to separate, to remove from’, *ricyáte* ‘to be emptied, to be deprived of or freed from’, *riktá-ḥ* ‘emptied, empty, void’.

336. Proto-Nostratic root **čʰan-* (~ **čʰən-*):
(vb.) **čʰan-* ‘to bring forth, to produce, to grow, to be born’;
(n.) **čʰan-a* ‘that which is brought forth, produced, grown: fruit; bringing forth: birth’

337. Proto-Nostratic root **čʰečʰ-*:
(vb.) **čʰečʰ-* ‘to press, to squeeze, to crush’;
(n.) **čʰečʰ-a* ‘the act of pressing, squeezing, crushing; that which is pressed, squeezed, crushed: crumb(s)’

338. Proto-Nostratic root **čʰokʰ-*:
(vb.) **čʰokʰ-* ‘to bend, to twist, to turn, to wind’;
(n.) **čʰokʰ-a* ‘the act of bending, twisting, turning, winding’

PROTO-NOSTRATIC *č’

339. Proto-Nostratic (n.) *č’am-a ‘reed, grass’

340. Proto-Nostratic root *č’ik’- (~ *č’ek’-):
(vb.) *č’ik’- ‘to be small’;
(n.) *č’ik’-a ‘small things’; (adj.) ‘small’

341. Proto-Nostratic root *č’ir- (~ *č’er-):
(vb.) *č’ir- ‘to cut, to cut off, to cut through; to cut into, to scratch, to scrape’;
(n.) *č’ir-a ‘that which is cut, cut off, cut into: slice, board, plank, scratch; that which cuts: knife, axe, adze’

PROTO-NOSTRATIC *š

342. Proto-Nostratic demonstrative pronoun stem *ša- (~ *šə-) ‘this, that’

343. Proto-Nostratic root *šar- (~ *šər-):
(vb.) *šar- ‘to split, to rip apart, to tear asunder’;
(n.) *šar-a ‘that which splits: knife’

344. Proto-Nostratic root *šaw- (~ *šəw-):
(vb.) *šaw- ‘to drink, to swallow’;
(n.) *šaw-a ‘drink, juice’

345. Proto-Nostratic root *šaw- (~ *šəw-):
(vb.) *šaw- ‘to sigh, to pant, to gasp, to breathe deeply’;
(n.) *šaw-a ‘breath, sigh’
Related to:
(vb.) *šaw- ‘to sleep, to rest’;
(n.) *šaw-a ‘sleep, slumber, rest’

346. Proto-Nostratic root *šaw- (~ *šəw-):
(vb.) *šaw- ‘to sleep, to rest’;
(n.) *šaw-a ‘sleep, slumber, rest’
Related to:
(vb.) *šaw- ‘to sigh, to pant, to gasp, to breathe deeply’;
(n.) *šaw-a ‘breath, sigh’

347. Proto-Nostratic root *šiħ- (~ *šeħ-):
(vb.) *šiħ- ‘to separate into (equal) parts, to divide’;
(n.) *šiħ-a ‘part, portion, separation, division, section’

348. Proto-Nostratic root **šiw-* (~ **šew-*):
(vb.) **šiw-* ‘to swell’;
(n.) **šiw-a* ‘swelling’; (adj.) ‘swollen, puffed up’

349. Proto-Nostratic root **šuw-* (~ **šow-*):
(vb.) **šuw-* ‘to be wet, moist; to make wet, to soak’;
(n.) **šuw-a* ‘liquid, moisture’; (adj.) ‘moist, wet, soaked’
Extended form:
(vb.) **šuw-V-l-* ‘to be wet, moist; to make wet, to soak’;
(n.) **šuw-l-a* ‘liquid, moisture’; (adj.) ‘moist, wet, soaked’

PROTO-NOSTRATIC *g

350. Proto-Nostratic root **gaʔ-* (~ **gəʔ-*):
(vb.) **gaʔ-* ‘to go, to leave, to depart; to leave behind, to abandon, to forsake’;
(n.) **gaʔ-a* ‘abandonment, lack, want, need, deprivation, loss, deficit’; (adj.) ‘abandoned, forsaken, left behind; wanting, lacking, deprived of’

351. Proto-Nostratic (n.) **gab-a* ‘front, front part’
Probably identical to:
(n.) **gab-a* ‘peak, tip, top’

352. Proto-Nostratic (n.) **gab-a* ‘peak, tip, top’
Probably identical to:
(n.) **gab-a* ‘front, front part’
Note also:
(n.) **gub-a* ‘highest point, summit, top’

353. Proto-Nostratic root **gab-* (~ **gəb-*):
(vb.) **gab-* ‘to grasp, to seize’;
(n.) **gab-a* ‘hand, arm’

354. Proto-Nostratic root **gad-* (~ **gəd-*):
(vb.) **gad-* ‘to be or become big, great, mighty’;
(n.) **gad-a* ‘bigness, greatness, might’; (adj.) ‘big, great, mighty’

355. Proto-Nostratic root **gad-* (~ **gəd-*):
(vb.) **gad-* ‘to cut, to split, to strike (with an instrument)’;
(n.) **gad-a* ‘that which cuts: (pick)axe, saw; that which is cut, split: cut, split, piece, fragment, bit’

356. Proto-Nostratic (n.) **gad-a* ‘kid, young goat’

357. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to cut, break, tear, or pluck off; to separate’;
(n.) **gal-a* ‘cut, break, tear, separation’
Derivative:
(vb.) **gal-* ‘to dig, scoop, or hollow out’ (> ‘to plow’);
(n.) **gal-a* ‘the act of digging, scooping, or hollowing out’

358. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to dig, scoop, or hollow out’ (> ‘to plow’);
(n.) **gal-a* ‘the act of digging, scooping, or hollowing out’
Derivative of:
(vb.) **gal-* ‘to cut, break, tear, or pluck off; to separate’;
(n.) **gal-a* ‘cut, break, tear, separation’

359. Proto-Nostratic (n.) **gal-a* ‘pot, vessel’

360. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to be or become visible, clear, obvious, evident; to regard, to look at, to peer at’;
(n.) **gal-a* ‘visibility, clarity, understanding’; (adj.) ‘clear, plain, evident’

361. Proto-Nostatic **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to cry out, to shout, to clamor; to be noisy, boisterous’;
(n.) **gal-a* ‘clamor, uproar, tumult, disturbance, turmoil, noise’

362. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to ache, to be in pain, to be ill, to suffer’;
(n.) **gal-a* ‘ache, pain, disease, illness’

363. Proto-Nostatic (n.) **gal-a* ‘blemish, fault, scar, sore on the skin’

364. Proto-Nostratic root **gal-* (~ **gəl-*):
(vb.) **gal-* ‘to be strong, powerful; to be able’;
(n.) **gal-a* ‘strength, power, ability’

365. Proto-Nostratic root **gam-* (~ **gəm-*):
(vb.) *gam-* ‘to bend, to be bent’;
(n.) *gam-a* ‘a bent or curved object: hook; wrist, ankle; etc.’

366. Proto-Nostratic root **gam-* (~ **gəm-*):
(vb.) **gam-* ‘to fill (up)’;
(n.) **gam-a* ‘plenty, surplus, abundance’

367. Proto-Nostratic (n.) *gaŋ-a (with different extensions in the various daughter languages: *gaŋ-s^{y}- and/or *gaŋ-s-, *gaŋ-t^{y}-, etc. and sporadic loss of *ŋ*) ‘a waterfowl, an aquatic bird: goose, duck, etc.’

368. Proto-Nostratic root *gaŋ- (~ *gəŋ-):
(vb.) *gaŋ- ‘to bend: to bend forward; to bend back; to bend to the side’;
(n.) *gaŋ-a ‘side, corner, flank, edge’

369. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- ‘to seize, to grasp, to take hold of’;
(n.) *gar-a ‘hand’

370. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- ‘to cut, to split’;
(n.) *gar-a ‘cut, injury; that which cuts: (pick)axe’; (adj.) ‘cut, separated, shortened’

371. Proto-Nostratic root *gar- (~ *gər-):
(vb.) *gar- ‘to scratch, to scrape’;
(n.) *gar-a ‘that which scratches, scrapes: spade, rake’
Derivative:
(n.) *gar-b-a ‘itch, scab, sore’

372. Proto-Nostratic (n.) *gar-b-a ‘itch, scab, sore’:
Derivative of:
(vb.) *gar- ‘to scratch, to scrape’;
(n.) *gar-a ‘that which scratches, scrapes: spade, rake’

373. Proto-Nostratic root *gar^{y}- (~ *gər^{y}-):
(vb.) *gar^{y}- ‘to swell, to increase, to grow’;
(n.) *gar^{y}-a ‘swelling, increase, growth; great quantity, abundance, excess’
Identical to:
(vb.) *gar^{y}- ‘to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff’;
(n.) *gar^{y}- ‘tip, point, peak’

374. Proto-Nostratic root *gar^{y}- (~ *gər^{y}-):
(vb.) *gar^{y}- ‘to stick out, to stand out, to jut out, to project, to protrude; to be or become erect, rigid, stiff’;
(n.) *gar^{y}- ‘tip, point, peak’
Identical to:
(vb.) *gar^{y}- ‘to swell, to increase, to grow’;
(n.) *gar^{y}-a ‘swelling, increase, growth; great quantity, abundance, excess’

375. Proto-Nostratic root **gasʸ-* (~ **gəsʸ-*):
(vb.) **gasʸ-* ‘to touch, to feel, to handle’;
(n.) **gasʸ-a* ‘hand’

376. Proto-Nostratic root **gat'-* (~ **gət'-*):
(vb.) **gat'-* ‘to take (with the hand), to grasp’;
(n.) **gat'-a* ‘hand’

377. Proto-Nostratic (n.) **gen-a* ‘jaw, cheek’

378. Proto-Nostratic (n.) **g[e]n-d-a* ‘virility, strength; a male (human or animal)’

379. Proto-Nostratic pronominal base of unclear deictic function **gi-* (~ **ge-*)

380. Proto-Nostratic root **gib-* (~ **geb-*):
(vb.) **gib-* ‘to bestow upon, to give’;
(n.) **gib-a* ‘gift’

381. Proto-Nostratic root **gid-* (~ **ged-*) or **ɢid-* (~ **ɢed-*):
(vb.) **gid-* or **ɢid-* ‘to force, drive, or press together; to join; to unite; to gather (together); to collect’;
(n.) **gid-a* or **ɢid-a* ‘force, compulsion; collection, heap; union’; (adj.) ‘pressed close together, near, united’

382. Proto-Nostratic root **gil-* (~ **gel-*):
(vb.) **gil-* ‘to glide, to slip, to slide’;
(n.) **gil-a* ‘gliding, sliding’; (adj.) ‘smooth, slippery’

383. Proto-Nostratic root **gil-* (~ **gel-*):
(vb.) **gil-* ‘to freeze’;
(n.) **gil-a* ‘ice’

384. Proto-Nostratic root **gin-* (~ **gen-*) or **ɢin-* (~ **ɢen-*):
(vb.) **gin-* or **ɢin-* ‘to be young, small, weak’;
(n.) **gin-a* or **ɢin-a* ‘youth, young one’; (adj.) ‘young, small, weak’

385. Proto-Nostratic root **gin-* (~ **gen-*):
(vb.) **gin-* ‘to grind, to pound, to break or crush into pieces’;
(n.) **gin-a* ‘the act of grinding, pounding, crushing’

386. Proto-Nostratic root **gir-* (~ **ger-*):
(vb.) **gir-* ‘to gird, to enclose’;
(n.) **gir-a* ‘enclosure, fence, wall’

387. Proto-Nostratic root *gir^{y}- (~ *ger^{y}-):
(vb.) *gir^{y}- ‘to be or become old’;
(n.) *gir^{y}-*a* ‘old age, old person’; (adj.) ‘old’

388. Proto-Nostratic root *gir^{y}- (~ *ger^{y}-) or *$ɢir^{y}$- (~ *$ɢer^{y}$-):
(vb.) *gir^{y}- or *$ɢir^{y}$- ‘to move, to move swiftly, to hasten, to hurry; to run, to flow; to go, to walk’;
(n.) *gir^{y}-*a* or *$ɢir^{y}$-*a* ‘movement, flow, flux, step, course’

389. Proto-Nostratic (n.) **gol-a* ‘edge, corner, valley’

390. Proto-Nostratic (n.) **gub-a* ‘highest point, summit, top’
Note also:
(n.) **gab-a* ‘peak, tip, top’

391. Proto-Nostratic root **gub-* (~ **gob-*:
(vb.) **gub-* ‘to cook, to roast, to burn’;
(n.) **gub-a* ‘the act of cooking; that which is used for cooking: pot, pan; stove, furnace’

392. Proto-Nostratic root **gud-* (~ **god-*):
(vb.) **gud-* ‘to throw, to toss, to shake’;
(n.) **gud-a* ‘that which is thrown or tossed off or aside: rubbish, refuse, cast-out things’

393. Proto-Nostratic (n.) **gul-a* (~ **gol-a*) ‘enclosed space’

394. Proto-Nostratic root **gun-* (~ **gon-*):
(vb.) **gun-* ‘to perceive, to notice’;
(n.) **gun-a* ‘notice, memory, mind, perception, remembrance, recollection’

395. Proto-Nostratic root (Eurasiatic only) *gup^{h}- (~ *gop^{h}-):
(vb.) *gup^{h}- ‘to extinguish; to be extinguished, to die out, to perish’;
(n.) *gup^{h}-*a* ‘loss, destruction’

396. Proto-Nostratic root **gur-* (onomatopoeic):
(vb.) **gur-* ‘to rumble, to roar, to growl, to gurgle’;
(n.) **gur-a* ‘rumbling, roaring, gurgling, growling noise or sound’

397. Proto-Nostratic (Eurasiatic only) (n.) **gur-a* ‘gut, cord’

398. Proto-Nostratic root **gus-* (~ **gos-*):
(vb.) **gus-* ‘to go outside of or forth from; to make to go outside or forth from, to drive away, to chase away’;
(n.) **gus-a* ‘outsider, stranger’

399. Proto-Nostratic root **guw-* (~ **gow-*):
(vb.) **guw-* ‘to observe, to notice, to watch, to pay attention to, to heed, to be or become aware of’;
(n.) **guw-a* ‘observation, heed, awareness, attention, notice’

400. Proto-Nostratic root **guw-* (~ **gow-*):
(vb.) **guw-* ‘to hunt wild animals’;
(n.) **guw-a* ‘wild animal, wild beast, game’; (adj.) ‘wild, untamed’
Extended form:
(vb.) **guw-V-r-* ‘to hunt wild animals’;
(n.) **guw-r-a* ‘wild animal, wild beast, game’; (adj.) ‘wild, untamed’

Notes:
1. The unextended stem is preserved in Egyptian.
2. The Afrasian (Cushitic and Chadic) and Indo-European forms are deverbatives: **guw-V-r-*.

PROTO-NOSTRATIC **kʰ*

401. Proto-Nostratic 1st person pronoun stem (stative) **kʰa-*

402. Proto-Nostratic demonstrative pronoun stem:
Proximate: **kʰa-* (~ **kʰə-*) ‘this’;
Intermediate: **kʰi-* (~ **kʰe-*) ‘that’;
Distant: **kʰu-* (~ **kʰo-*) ‘that yonder’

403. Proto-Nostratic (n.) **kʰab-a* ‘he-goat, male sheep, buck, ram’

404. Proto-Nostratic (n.) **kʰab-a* ‘foot, hoof’

405. Proto-Nostratic root **kʰad-* (~ **kʰəd-*):
(vb.) **kʰad-* ‘to cover, to wrap, to clothe’;
(n.) **kʰad-a* ‘covering, shield, protection’
Perhaps identical to:
(vb.) **kʰad-* ‘to tie, to bind’;
(n.) **kʰad-a* ‘tie, band, fastening’

406. Proto-Nostratic root **kʰad-* (~ **kʰəd-*):
(vb.) **kʰad-* ‘to tie, to bind’;
(n.) **kʰad-a* ‘tie, band, fastening’
Perhaps identical to:
(vb.) **kʰad-* ‘to cover, to wrap, to clothe’;
(n.) **kʰad-a* ‘covering, shield, protection’

407. Proto-Nostratic (n.) *k^h*al-a* ‘female in-law’
Note also:
(n.) *k'*el-a* ‘female in-law’

408. Proto-Nostratic root *k^h*al-* (~ *k^h*əl-*):
(vb.) *k^h*al-* ‘to make a noise, to sound; to call out, to shout’;
(n.) *k^h*al-a* ‘noise, sound’

409. Proto-Nostratic root *k^h*al-* (~ *k^h*əl-*):
(vb.) *k^h*al-* ‘to guard, to hold (back), to watch’;
(n.) *k^h*al-a* ‘protection, care, support; restraint, detention, custody, hold’

410. Proto-Nostratic root *k^h*al-* (~ *k^h*əl-*):
(vb.) *k^h*al-* ‘to point out, to make clear, to make known, to disclose, to explain’;
(n.) *k^h*al-a* ‘study, learning; investigation, explanation, clarification’

411. Proto-Nostratic (n.) *$k^h al^y$*-a* ‘reed, stalk, stem, blade of grass, haulm’

412. Proto-Nostratic root *$k^h al^y$*- (~ *$k^h əl^y$*-):
(vb.) *$k^h al^y$*- ‘to rob, to steal, to hide’;
(n.) *$k^h al^y$*-a* ‘theft’

413. Proto-Nostratic root *k^h*am-* (~ *k^h*əm-*) or *q^h*am-* (~ *q^h*əm-*):
(vb.) *k^h*am-* or *q^h*am-* ‘to seize, to grasp, to grip, to clutch’;
(n.) *k^h*am-a* or *q^h*am-a* ‘grip, hold, hand(ful); bond, fetter’

414. Proto-Nostratic root *k^h*am-* (~ *k^h*əm-*):
(vb.) *k^h*am-* ‘to work, to labor, to toil; to do, to make’;
(n.) *k^h*am-a* ‘work, labor, toil’

415. Proto-Nostratic root *k^h*am-* (~ *k^h*əm-*):
(vb.) *k^h*am-* ‘to gather together, to collect’; (adv.) ‘together, along with’;
(n.) *k^h*am-a* ‘collection, assemblage, gathering’

416. Proto-Nostratic (n.) *$k^h an^y$*-a* ‘stem, stalk, stick’

417. Proto-Nostratic (n.) *$k^h an^y$*-a* ~ *$k^h in^y$*-a* ~ *$k^h un^y$*-a* ‘bee, honey’

418. Proto-Nostratic root *k^h*aŋ-* (~ *k^h*əŋ-*):
(vb.) *k^h*aŋ-* ‘to make a noise, to sound’;
(n.) *k^h*aŋ-a* ‘noise, (ringing or tinkling) sound’

419. Proto-Nostratic root *k^hap^h-:
(vb.) *k^hap^h- ‘to take, seize, or grasp with the hand; to press or squeeze with the hand’;
(n.) *k^hap^h-*a* ‘hand’

420. Proto-Nostratic (n.) *k^hap^h-*a* ‘bowl, cup, jar, container; skull’

421. Proto-Nostratic root *k^hap'- (~ *$k^həp'$-):
(vb.) *k^hap'- ‘to buy; to pay back’;
(n.) *k^hap'-*a* ‘recompense, tribute, pay-back’

422. Proto-Nostratic root *k^har- (~ *$k^hər$-):
(vb.) *k^har- ‘to cut, to cut into, to cut off’;
(n.) *k^har-*a* ‘cut, incision’
Derivative:
(n.) *k^har-*a* ‘skin, hide; bark, rind’

423. Proto-Nostratic (n.) *k^har-*a* ‘skin, hide; bark, rind’:
Derivative of:
(vb.) *k^har- ‘to cut, to cut into, to cut off’;
(n.) *k^har-*a* ‘cut, incision’

424. Proto-Nostratic root *k^har- (~ *$k^hər$-):
(vb.) *k^har- ‘to twist, turn, spin, or wind around’;
(n.) *k^har-*a* ‘ring, circle, curve’; (adj.) ‘round, curved, twisted’
Possible derivative:
(n.) *k^har-*a* ‘edge, side, bank’

425. Proto-Nostratic (n.) *k^har-*a* ‘edge, side, bank’
Perhaps a derivative of:
(vb.) *k^har- ‘to twist, turn, spin, or wind around’;
(n.) *k^har-*a* ‘ring, circle, curve’; (adj.) ‘round, curved, twisted’

426. Proto-Nostratic (n.) *k^har-*a* ‘hardness, strength, firmness, fortitude’; (adj.) ‘hard, strong, firm’
Identical to:
(n.) *k^har-*a* ‘roughness, coarseness’; (adj.) ‘rough, coarse’

427. Proto-Nostratic (n.) *k^har-*a* ‘roughness, coarseness’; (adj.) ‘rough, coarse’
Identical to:
(n.) *k^har-*a* ‘hardness, strength, firmness, fortitude’; (adj.) ‘hard, strong, firm’
Derivative:
(n.) *k^har-*a* ‘bitterness, pungency, harshness’; (adj.) ‘bitter, pungent, harsh, sharp, caustic, hot (of taste), acrid’

428. Proto-Nostratic (n.) *k^h*ar-a* ‘bitterness, pungency, harshness’; (adj.) ‘bitter, pungent, harsh, sharp, caustic, hot (of taste), acrid’
Derivative of:
(n.) *k^h*ar-a* ‘roughness, coarseness’; (adj.) ‘rough, coarse’

429. Proto-Nostratic (n.) *k^h*ar-a* ‘blackness, darkness’; (adj.) ‘black, dark’

430. Proto-Nostratic (n.) *k^h*ar-a* ‘heart, core, essence’

431. Proto-Nostratic root *k^h*as-* (~ *k^h*əs-*):
(vb.) *k^h*as-* ‘to cut or break off, to divide, to separate’;
(n.) *k^h*as-a* ‘cut, separation, division, break; cutting, clipping, fragment, piece, bit’

432. Proto-Nostratic root *k^h*at^h-* (~ *k^h*ət^h-*):
(vb.) *k^h*at^h-* ‘to plait, to weave, to twist’;
(n.) *k^h*at^h-a* ‘that which is plaited, woven, twisted: mat, net, knot’
Derivative:
(n.) *k^h*at^h-a* ‘rag, cloth’

433. Proto-Nostratic (n.) *k^h*at^h-a* ‘rag, cloth’:
Derivative of:
(vb.) *k^h*at^h-* ‘to plait, to weave, to twist’;
(n.) *k^h*at^h-a* ‘that which is plaited, woven, twisted: mat, net, knot’

434. Proto-Nostratic root *k^h*at^h-*:
(vb.) *k^h*at^h-* ‘to fall down, to set down, to drop down’;
(n.) *k^h*at^h-a* ‘lower part, lower place, lower thing’; (adj.) ‘lower, inferior’;
(particle) *k^h*at^h-* ‘down’

435. Proto-Nostratic root *k^h*at^h-*:
(vb.) *k^h*at^h-* ‘to make a harsh, shrill screech or sound: to cackle, to caw, to screech, to cry, to yelp’;
(n.) *k^h*at^h-a* ‘cackling, cawing, screeching, crying, yelping’; (adj.) ‘harsh, shrill, sharp, piercing (of sounds)’

436. Proto-Nostratic root *k^h*aw-* (~ *k^h*əw-*):
(vb.) *k^h*aw-* ‘to swell, to expand, to inflate, to grow, to increase’;
(n.) *k^h*aw-a* ‘accumulation, inflation, expansion, growth; heap, pile; height’

437. Proto-Nostratic (n.) *k^h*ay-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’
Extended form (Afrasian and Indo-European):
(n.) *k^h*ay-w-a* ‘solitude, loneliness, separateness’; (adj.) ‘alone’

438. Proto-Nostratic root *k^h*ay*- (~ *k^h*əy*-):
(vb.) *k^h*ay*- ‘to put, to place, to set, to lay; to be placed, to lie’;
(n.) *k^h*ay-a* ‘resting place, abode, dwelling; cot, bed’

439. Proto-Nostratic root *k^h*ay*- (~ *k^h*əy*-):
(vb.) *k^h*ay*- ‘to be or become warm or hot; to make warm, to heat’;
(n.) *k^h*ay-a* ‘heat’

440. Proto-Nostratic root *k^h*ay*-:
(vb.) *k^h*ay*- ‘to scoop out’;
(n.) *k^h*ay-a* ‘spoon, ladle’
Extended form:
(vb.) *k^h*ay-V-w*- ‘to dig’;
(n.) *k^h*ay-w-a* ‘cave, pit, hollow’

441. Proto-Nostratic root *k^h*il*- (~ *k^h*el*-):
(vb.) *k^h*il*- ‘to make a sound or a noise; to say, to speak, to talk’;
(n.) *k^h*il-a* ‘sound, noise; tongue, speech, language’

442. Proto-Nostratic root *k^h*il^y*- (~ *k^h*el^y*-):
(vb.) *k^h*il^y*- ‘to rise, to ascend, to lift up’;
(n.) *k^h*il^y*-a* ‘hill, height’; (adj.) ‘raised, high’

443. Proto-Nostratic (n.) *k^h*ir-a* ‘uppermost part (of anything): horn, head, skull, crown of head; tip, top, summit, peak’

444. Proto-Nostratic root *k^h*ir*- (~ *k^h*er*-):
(vb.) *k^h*ir*- ‘to freeze, to be cold’;
(n.) *k^h*ir-a* ‘frost, cold’

445. Proto-Nostratic (n.) *k^h*iw-a* ‘stone’

446. Proto-Nostratic root *k^h*ol^y*-:
(vb.) *k^h*ol^y*- ‘to tie, bind, fasten, fit, combine, or join two things together; to couple, to pair’;
(n.) *k^h*ol^y*-a* ‘any combination of two things: couple, pair’

447. Proto-Nostratic roots *k^h*on-k’*-, *k^h*ok’*-:
(vb.) *k^h*on-V-k’*-, *k^h*ok’*- ‘to be bent, curved, crooked’;
(n.) *k^h*on-k’-a*, *k^h*ok’-a* ‘hook, clasp’; (adj.) ‘bent, curved, crooked’

448. Proto-Nostratic root *k^h*ul*- (~ *k^h*ol*-):
(vb.) *k^h*ul*- ‘to hear, to listen’;
(n.) *k^h*ul-a* ‘renown, fame; ear’
Possible derivative:

(vb.) *k^hul- ‘to tell’;
(n.) *k^hul-*a* ‘story, tale’

449. Proto-Nostratic root *k^hul- (~ *k^hol-):
(vb.) *k^hul- ‘to tell’;
(n.) *k^hul-*a* ‘story, tale’
Perhaps a derivative of:
(vb.) *k^hul- ‘to hear, to listen’;
(n.) *k^hul-*a* ‘renown, fame; ear’

Assuming semantic development as in Greek κλέω ‘to tell of, to make famous, to celebrate’; or Pāḷi (causative) *sāvēti* (also *suṇāpēti*) ‘to cause to hear, to tell, to declare, to announce’ (*suṇāti* ‘to hear’); or Romany (Palestinian) *snaúăr* ‘to inform’ — all ultimately from Proto-Indo-European *k^hl-*ew*-/*k^hl-*ow*-/*k^hl-*u*- ‘to hear’.

450. Proto-Nostratic root *k^hum-:
(vb.) *k^hum- ‘to heap up, to pile up, to accumulate’;
(n.) *k^hum-*a* ‘large amount, accumulation, heap; crowd, multitude’

451. Proto-Nostratic (n.) *k^hum-*a* ‘man, male; penis’

452. Proto-Nostratic root *k^hum- (~ *k^hom-):
(vb.) *k^hum- ‘to char, to blacken; to burn, to smolder; to be or become hot’;
(n.) *k^hum-*a* ‘(hot or smoldering) ashes, embers, charcoal; heat, warmth’;
(adj.) ‘warm, hot; glowing, smoldering; black’

453. Proto-Nostratic (n.) *k^hur-*a* ‘blood’

454. Proto-Nostratic (n.) *k^huwan-*a* or *k^hun-*a* originally a generic term meaning ‘young (especially of animals)’; later specialized as ‘young dog, puppy’ (as in Kannaḍa and Kolami within Dravidian) and then simply ‘dog’

Note: This term may be an early borrowing.

PROTO-NOSTRATIC *k’

455. Proto-Nostratic root *$k'ab$- (~ *$k'əb$-):
(vb.) *$k'ab$- ‘to seize, to take hold of; to seize with the teeth, to bite’;
(n.) *$k'ab$-*a* ‘seizure, grasp, grip, hold; bite’

456. Proto-Nostratic root *$k'ac^h$- (~ *$k'əc^h$-):
(vb.) *$k'ac^h$- ‘to labor, to strain; to become fatigued, exhausted, wearied (from straining, laboring)’;

(n.) **k'ac^{h}-a* 'trouble, difficulty, pain, strain'

457. Proto-Nostratic root **k'ač^{h}-* (~ **k'əč^{h}-*):
(vb.) **k'ač^{h}-* 'to put, join, fasten, wrap, fold, or tie together';
(n.) **k'ač^{h}-a* 'tie, band, knot, fastening, wrapping'

458. Proto-Nostratic root **k'ad-* (~ **k'əd-*):
(vb.) **k'ad-* 'to tie, to fasten; to build, to construct';
(n.) **k'ad-a* 'tie, band, fastening'

459. Proto-Nostratic root **k'ak'-* (onomatopoeic):
(vb.) **k'ak'-* 'to cackle, to chatter';
(n.) **k'ak'-a* 'crackling sound'
Derivative:
(n.) **k'ak'-a* (onomatopoeic bird name) 'partridge'

460. Proto-Nostratic (n.) **k'ak'-a* (onomatopoeic bird name) 'partridge'
Derivative of:
(vb.) **k'ak'-* 'to cackle, to chatter';
(n.) **k'ak'-a* 'crackling sound'

461. Proto-Nostratic root **k'al-* (~ **k'əl-*):
(vb.) **k'al-* 'to feed, to nourish';
(n.) **k'al-a* 'nourishment, sustenance, nutriment'

462. Proto-Nostratic (n.) **k'al-a* 'stone, rock'

463. Proto-Nostratic root **k'al-* (~ **k'əl-*):
(vb.) **k'al-* 'to take away, to remove, to deprive of; to decrease, to diminish, to reduce; to be or become reduced or diminished';
(n.) **k'al-a* 'littleness, small quantity, scarcity; few things; lack, want, poverty, deficiency, insufficiency'; (adj.) 'little, scanty, sparse, meager, insufficient, lacking, short of, wanting, needy'

464. Proto-Nostratic root **k'al-* (~ **k'əl-*):
(vb.) **k'al-* 'to burn, to warm, to cook, to roast';
(n.) **k'al-a* 'cooking, roasting, baking; glowing embers'

465. Proto-Nostratic root **k'al-* (~ **k'əl-*):
(vb.) **k'al-* 'to move, to tremble, to shake, to agitate, to stir, to mix';
(n.) **k'al-a* 'agitation, trembling, perturbation, distress, confusion, uneasiness, disturbance'

466. Proto-Nostratic root **k'al-* (~ **k'əl-*):
(vb.) **k'al-* 'to come into being, to be born';

(n.) **k'al-a* 'existence, presence, appearance, birth'

467. Proto-Nostratic root **k'al^{y}-* (~ **k'əl^{y}-*):
(vb.) **k'al^{y}-* 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out';
(n.) **k'al^{y}-a* 'separation, removal, stripping off or away, etc.'
Derivative:
(n.) **k'al^{y}-a* 'bald spot'; (adj.) 'bald, bare'

468. Proto-Nostratic (Eurasiatic only) (n.) **k'al^{y}-a* 'bald spot'; (adj.) 'bald, bare'
Derivative of:
(vb.) **k'al^{y}-* 'to separate, to remove, to strip off or away: to pluck, tear, or pull off or out';
(n.) **k'al^{y}-a* 'separation, removal, stripping off or away, etc.'

469. Proto-Nostratic root **k'an-* (~ **k'ən-*):
(vb.) **k'an-* 'to get, to acquire, to create, to produce, to beget';
(n.) **k'an-a* 'birth, offspring, child, young, produce'; (adj.) 'born, begotten, produced'

470. Proto-Nostratic (n.) **k'an-a* 'jaw, cheek'

471. Proto-Nostratic (n.) **k'an-a* 'thickness, density, fatness, abundance'; (adj.) 'thick, dense, fat, abundant, much'

472. Proto-Nostratic root **k'an-* (~ **k'ən-*):
(vb.) **k'an-* 'to pound, to beat, to strike';
(n.) **k'an-a* 'knock, strike, cuff, thump; mallet, club, cudgel, truncheon'

473. Proto-Nostratic root **k'aŋ-* (~ **k'əŋ-*):
(vb.) **k'aŋ-* 'to bend, twist, turn, or tie together';
(n.) **k'aŋ-a* 'wreath, rope, cord, fiber, tie, band, string'
Derivative:
(n.) **k'aŋ-a* 'knot, knob, joint'

474. Proto-Nostratic (n.) **k'aŋ-a* 'knot, knob, joint'
Derivative of:
(vb.) **k'aŋ-* 'to bend, twist, turn, or tie together';
(n.) **k'aŋ-a* 'wreath, rope, cord, fiber, tie, band, string'

475. Proto-Nostratic root **k'an^{y}-* (~ **k'ən^{y}-*):
(vb.) **k'an^{y}-* 'to observe, to perceive';
(n.) **k'an^{y}-a* 'the act of observing, perceiving; that which observes, perceives: eye; perception, observation, recognition, comprehension'

476. Proto-Nostratic (n.) **k'ap^h-a* and/or **k'ep^h-a* ‘jaw, jawbone’

Note: The Altaic cognates seem to point to Proto-Nostratic **k'ep^h-a*, while the Indo-European cognates can be derived from either **k'ap^h-a* or **k'ep^h-a*.

477. Proto-Nostratic (n.) **k'ap^h-a* ‘nape of the neck, back of the head’

478. Proto-Nostratic root **k'ap^h-* (~ **k'əp^h-*):
(vb.) **k'ap^h-* ‘to cover; to shut, to close’;
(n.) **k'ap^h-a* ‘covering’

479. Proto-Nostratic root **k'ar-* (~ **k'ər-*):
(vb.) **k'ar-* ‘to shout, to screech, to call (out to), to cry (out)’;
(n.) **k'ar-a* ‘call, cry, invocation, proclamation; roar, lamentation’

480. Proto-Nostratic (n.) **k'ar-a* ‘blackness, darkness, obscurity; dark cloud, rainy weather; dirt, grime’; (adj.) ‘dark, dark-colored; dirty, soiled’

481. Proto-Nostratic root **k'ar-* (~ **k'ər-*):
(vb.) **k'ar-* ‘to twist, to turn, to bend, to wind; to tie (together), to bind’;
(n.) **k'ar-a* ‘that which is tied or bound together: bunch, bundle’; (adj.) ‘bent, curved, crooked; tied, bound’
Possible derivative:
(n.) **k'ar-a* ‘protuberance, lump, hump, breast’

482. Proto-Nostratic (n.) **k'ar-a* ‘protuberance, lump, hump, breast’
Possibly derived from (in the sense ‘curved shape, swelling’):
(vb.) **k'ar-* ‘to twist, to turn, to bend, to wind; to tie (together), to bind’;
(n.) **k'ar-a* ‘that which is tied or bound together: bunch, bundle’; (adj.) ‘bent, curved, crooked; tied, bound’

483. Proto-Nostratic root **k'at^h-* (~ **k'ət^h-*):
(vb.) **k'at^h-* ‘to add, join, bring, come, gather, or mix together’;
(n.) **k'at^h-a* ‘blend, mixture, conglomeration, gathering’

484. Proto-Nostratic root **k'aw-* (~ **k'əw-*):
(vb.) **k'aw-* ‘to bend, twist, curve, or turn round; to rotate’;
(n.) **k'aw-a* ‘any round object’; (adj.) ‘bent, curved, round’

485. Proto-Nostratic root **k'aw-* (~ **k'əw-*):
(vb.) **k'aw-* ‘to take, to seize, to grasp, to hold’;
(n.) **k'aw-a* ‘hand’

486. Proto-Nostratic (Eurasiatic only) (n.) **k'el-a* ‘female in-law: husband’s sister, sister-in-law; daughter-in-law’

Note also:
(n.) *k^h*al-a* ‘female in-law’

487. Proto-Nostratic (n.) *$k'en^y$-a* ‘knot, joint’

488. Proto-Nostratic root *$k'ep'$-:
(vb.) *$k'ep'$- ‘to cut, chop, split, or break into small pieces; to munch, to chew’;
(n.) *$k'ep'$-a ‘the act of cutting, chopping, splitting, or breaking into small pieces, the act of mincing; chewing (the cud), rumination’

489. Proto-Nostratic root (Eurasiatic only) *$k'er$-:
(vb.) *$k'er$- ‘to decay, to wear out, to wither, to waste away, to become old’;
(n.) *$k'er$-a ‘old age, old person’; (adj.) ‘decayed, worn out, withered, wasted, old’

490. Proto-Nostratic root *$k'er$-:
(vb.) *$k'er$- ‘to gather, to collect; to take a handful, to pick, to pluck’;
(n.) *$k'er$-a ‘collection, gathering, handful’

491. Proto-Nostratic root *$k'ir$- (~ *$k'er$-) or *$k'ur$- (~ *$k'or$-):
(vb.) *$k'ir$- or *$k'ur$- ‘to cut, to cut into, to incise, to engrave, to notch; to cut off, to sever, to nip off, to clip; to cut in two, to split’;
(n.) *$k'ir$-a or *$k'ur$-a ‘cut, slit, notch; chip, piece cut off’

492. Proto-Nostratic (Eurasiatic only) (n.) *$k'om$-a ‘hand, fist’
Perhaps related to:
(vb.) *$k'um$- ‘to seize, to grasp, to press together’;
(n.) *$k'um$-a ‘heap, mass, lump, clump; pressure, compression’

493. Proto-Nostratic (n.) *$k'or$-a or *$k'ar$-a ‘crane’

494. Proto-Nostratic (n.) *$k'os$-a ‘bone’

495. Proto-Nostratic root *$k'ud$- (~ *$k'od$-):
(vb.) *$k'ud$- ‘to strike’;
(n.) *$k'ud$-a ‘stroke, blow, knock, cuff, thump’

496. Proto-Nostratic (n.) *$k'ud$-a (~ *$k'od$-a) ‘vessel, pot’

497. Proto-Nostratic (n.) *$k'u\text{ɢ}$-n-a (~ *$k'o\text{ɢ}$-n-a) ‘gnat, mosquito’

498. Proto-Nostratic root *$k'ul$- (~ *$k'ol$-):
(vb.) *$k'ul$- ‘to lift, to raise, to pick up; to rise, to ascend; to make high, to elevate’;

(n.) **k'ul-a* 'highest point'

499. Proto-Nostratic root **k'ul^{y}-* (~ **k'ol^{y}-*):
(vb.) **k'ul^{y}-* 'to be or become cold; to freeze';
(n.) **k'ul^{y}-a* 'cold, coldness, chill, frost'

500. Proto-Nostratic root **k'um-* (~ **k'om-*):
(vb.) **k'um-* 'to sigh, to weep, to lament, to moan, to groan';
(n.) **k'um-a* 'sigh, mourning, lamentation, moan, groan, roar, grumble'

501. Proto-Nostratic root **k'um-* (~ **k'om-*):
(vb.) **k'um-* 'to seize, to grasp, to press together';
(n.) **k'um-a* 'heap, mass, lump, clump; pressure, compression'
Perhaps related to:
(n.) **k'om-a* 'hand, fist'

502. Proto-Nostratic root **k'um-* (~ **k'om-*):
(vb.) **k'um-* 'to bend, to curve; to bend the head or body, to bow or stoop down';
(n.) **k'um-a* 'bend, curve; the act of bending, bowing, stooping'
Identical to:
(n.) **k'um-a* 'a bent or curved object: hollow, cavity; knob, lump, hump; etc.'

503. Proto-Nostratic (n.) **k'um-a* 'a bent or curved object: hollow, cavity; knob, lump, hump; etc.':
Identical to:
(vb.) **k'um-* 'to bend, to curve; to bend the head or body, to bow or stoop down';
(n.) **k'um-a* 'bend, curve; the act of bending, bowing, stooping'

504. Proto-Nostratic root **k'un-* (~ **k'on-*):
(vb.) **k'un-* 'to bend; to bend or fold together; to tie or bind together';
(n.) **k'un-a* 'that which is bent, folded, crooked, curved, hooked: bend, fold, curve, curvature, angle, wrinkle'

505. Proto-Nostratic (n.) **k'uŋ-a* 'buttocks, rump, anus'

506. Proto-Nostratic (n.) **k'ut'-a* 'shortness, smallness'; (adj.) 'short, small'

PROTO-NOSTRATIC **g^{w}*

507. Proto-Nostratic (n.) **g^{w}al-a* 'snake'

508. Proto-Nostratic root *$g^{w}an$- (~ *$g^{w}ən$-):
(vb.) *$g^{w}an$- ‘to hit, to strike, to slay, to kill, to wound, to harm, to injure’;
(n.) *$g^{w}an$-*a* ‘strike, harm, injury’

509. Proto-Nostratic root *$g^{w}an$- (~ *$g^{w}ən$-):
(vb.) *$g^{w}an$- ‘to swell, to abound’;
(n.) *$g^{w}an$-*a* ‘swelling, abundance, large quantity, prosperity’

510. Proto-Nostratic root *$g^{w}ar$- (~ *$g^{w}ər$-):
(vb.) *$g^{w}ar$- ‘to turn, to twist, to wind, to wrap, to roll’;
(n.) *$g^{w}ar$-*a* ‘any round or circular object’; (adj.) ‘rolling, round, bent, twisted, turned’

511. Proto-Nostratic root *$g^{w}ir$- (~ *$g^{w}er$-):
(vb.) *$g^{w}ir$- ‘to be or become hot, to warm’;
(n.) *$g^{w}ir$-*a* ‘heat, fire’

PROTO-NOSTRATIC *k^{wh}

512. Proto-Nostratic post-positional intensifying and conjoining particle *$k^{wh}a$- (~ *$k^{wh}ə$-)

513. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- ‘to go, to walk, to move about’;
(n.) *$k^{wh}al$-*a* ‘walking, walk, wandering, roaming’
Probably identical to:
(vb.) *$k^{wh}al$- ‘to revolve, to go around, to roll’;
(n.) *$k^{wh}al$-*a* ‘circle, circuit’

514. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- ‘to revolve, to go around, to roll’;
(n.) *$k^{wh}al$-*a* ‘circle, circuit’
Probably identical to:
(vb.) *$k^{wh}al$- ‘to go, to walk, to move about’;
(n.) *$k^{wh}al$-*a* ‘walking, walk, wandering, roaming’
Derivative:
(n.) *$k^{wh}al$-*a* ‘that which turns, rolls, revolves, or goes round and round’ (> ‘wheel’ in the daughter languages)

515. Proto-Nostratic (n.) *$k^{wh}al$-*a* ‘that which turns, rolls, revolves, or goes round and round’ (> ‘wheel’ in the daughter languages)
Derivative of:
(vb.) *$k^{wh}al$- ‘to revolve, to go around, to roll’;
(n.) *$k^{wh}al$-*a* ‘circle, circuit’

516. Proto-Nostratic root *$k^{wh}al$- (~ *$k^{wh}əl$-):
(vb.) *$k^{wh}al$- ‘to end, to come to an end; to bring to an end, to complete, to finish’;
(n.) *$k^{wh}al$-*a* ‘end, finish, completion, fulfillment’

517. Proto-Nostratic (Eurasiatic only) (adv.) (?) *$k^{wh}al$- ‘far off, far away, distant’

518. Proto-Nostratic (n.) *$k^{wh}al$-*a* ‘a large fish’

519. Proto-Nostratic root *$k^{wh}ar$- (~ *$k^{wh}ər$-):
(vb.) *$k^{wh}ar$- ‘to cut’;
(n.) *$k^{wh}ar$-*a* ‘piece cut off; knife’
Derivatives:
(vb.) *$k^{wh}ar$- ‘to cut a groove, to hollow out, to dig’;
(n.) *$k^{wh}ar$-*a* ‘cut, hole, hollow, digging, excavation, pit, groove, trench’
(vb.) *$k^{wh}ar$- ‘to cut short, to reduce, to decrease, to diminish, to lessen’;
(n.) *$k^{wh}ar$-*a* ‘shortness’; (adj.) ‘short’

520. Proto-Nostratic root *$k^{wh}ar$- (~ *$k^{wh}ər$-):
(vb.) *$k^{wh}ar$- ‘to cut a groove, to hollow out, to dig’;
(n.) *$k^{wh}ar$-*a* ‘cut, hole, hollow, digging, excavation, pit, groove, trench’
Derivative of:
(vb.) *$k^{wh}ar$- ‘to cut’;
(n.) *$k^{wh}ar$-*a* ‘piece cut off; knife’

521. Proto-Nostratic root *$k^{wh}ar$- (~ *$k^{wh}ər$-):
(vb.) *$k^{wh}ar$- ‘to cut short, to reduce, to decrease, to diminish, to lessen’;
(n.) *$k^{wh}ar$-*a* ‘shortness’; (adj.) ‘short’
Derivative of:
(vb.) *$k^{wh}ar$- ‘to cut’;
(n.) *$k^{wh}ar$-*a* ‘piece cut off; knife’

522. Proto-Nostratic (n.) *$k^{wh}ar$-*a* ‘vessel, pot’

523. Proto-Nostratic root *$k^{wh}ar$- (~ *$k^{wh}ər$-):
(vb.) *$k^{wh}ar$- ‘to procure’;
(n.) *$k^{wh}ar$-*a* ‘payment, procurement’

524. Proto-Nostratic root *$k^{wh}at^h$- (~ *$k^{wh}ət^h$-):
(vb.) *$k^{wh}at^h$- ‘to move rapidly, to shake’;
(n.) *$k^{wh}at^h$-*a* ‘rapid movement, shaking’

525. Proto-Nostratic (particle) *$k^{wh}ay$- ‘when, as, though, also’
Possibly derived from:
Relative pronoun stem *$k^{wh}i$-; interrogative pronoun stem *$k^{wh}a$-

526. Proto-Nostratic root *$k^{wh}ey$-:
(vb.) *$k^{wh}ey$- ‘to repay in kind, to return an equal measure’;
(n.) *$k^{wh}ey$-*a* ‘payment, repayment’

527. Proto-Nostratic root *$k^{wh}ey$-:
(vb.) *$k^{wh}ey$- ‘to do, to make, to create; to form, to fashion’;
(n.) *$k^{wh}ey$-*a* ‘act, deed, creation’

528. Proto-Nostratic relative pronoun stem *$k^{wh}i$- (~ *$k^{wh}e$-); interrogative pronoun stem *$k^{wh}a$- (~ *$k^{wh}ə$-)

529. Proto-Nostratic root *$k^{wh}ir$- (~ *$k^{wh}er$-):
(vb.) *$k^{wh}ir$- ‘to twist or twine together, to tie together, to bind, to fasten’;
(n.) *$k^{wh}ir$-*a* ‘twist, tie, bundle, rope; the act of twisting or twining together: work, craft, act, action’

530. Proto-Nostratic (n.) (?) *$k^{wh}ur$-*a* ‘body, belly’

531. Proto-Nostratic (n.) *$k^{wh}ur$-*a* ‘worm, grub, maggot, insect’

PROTO-NOSTRATIC *k’^{w}

532. Proto-Nostratic root *$k’^{w}ad$- (~ *$k’^{w}əd$-):
(vb.) *$k’^{w}ad$- ‘to strike, to beat, to smash, to pound’;
(n.) *$k’^{w}ad$-*a* ‘knock, stroke, thrust’
Note also:
(vb.) *$k’^{w}ed$- ‘to destroy, to damage, to ruin; to decay, to rot, to spoil’;
(n.) *$k’^{w}ed$-*a* ‘death, destruction, damage, ruin, decay’

533. Proto-Nostratic (n.) *$k’^{w}ad$-*a* ‘hind part, end, tail’

534. Proto-Nostratic root *$k’^{w}aħ$- (~ *$k’^{w}əħ$-):
(vb.) *$k’^{w}aħ$- ‘to hit, to strike, to beat, to pound; to push or press in’;
(n.) *$k’^{w}aħ$-*a* ‘club, cudgel’; (adj.) ‘hit, beaten, pounded, pushed or pressed together, crammed, filled’

535. Proto-Nostratic root *$k’^{w}al$- (~ *$k’^{w}əl$-):
(vb.) *$k’^{w}al$- ‘to go: to go away from, to go after or behind’;
(n.) *$k’^{w}al$-*a* ‘track, way’

536. Proto-Nostratic root *$k’^{w}al^{y}$- (~ *$k’^{w}əl^{y}$-):
(vb.) *$k’^{w}al^{y}$- ‘to gush forth, to overflow; to flow, to leak, to ooze, to drip, to trickle’;
(n.) *$k’^{w}al^{y}$-*a* ‘gush, flow, drip, trickle; river, stream, spring’

537. Proto-Nostratic root *k'ʷam- (~ *k'ʷəm-):
(vb.) *k'ʷam- 'to burn slowly, to smolder; to be hot, to be red-hot, to be glowing; to smoke';
(n.) *k'ʷam-a 'embers, ashes; heat; smoke'

538. Proto-Nostratic root *k'ʷan- (~ *k'ʷən-):
(vb.) *k'ʷan- 'to suckle, to nurse; to suck';
(n.) *k'ʷan-a 'udder, bosom, breast'
Derivative:
(n.) *k'ʷan-a 'woman, wife'

539. Proto-Nostratic (Eurasiatic only) (n.) *k'ʷan-a 'woman, wife'
Derivative of:
(vb.) *k'ʷan- 'to suckle, to nurse; to suck';
(n.) *k'ʷan-a 'udder, bosom, breast'

Semantic development as in Latin *fēmina* 'female, woman' from the same root as in *fēlō* 'to suck', hence, 'one who gives suck'.

540. Proto-Nostratic root *k'ʷar- (~ *k'ʷər-):
(vb.) *k'ʷar- 'to be cold';
(n.) *k'ʷar-a 'cold, coldness'

541. Proto-Nostratic root *k'ʷar- (~ *k'ʷər-):
(vb.) *k'ʷar- 'to rest, to stay, to remain';
(n.) *k'ʷar-a 'stillness, quietude, repose, rest, resting place'; (adj.) 'still, quiet, at rest'

542. Proto-Nostratic root *k'ʷar- (~ *k'ʷər-):
(vb.) *k'ʷar- 'to crush, to grind';
(n.) *k'ʷar-a 'grinding pestle, grinding stone; stone, rock'

543. Proto-Nostratic (n.) *k'ʷar-b-a 'the inside, the middle, interior, inward part'

544. Proto-Nostratic root *k'ʷarʸ- (~ *k'ʷərʸ-):
(vb.) *k'ʷarʸ- 'to thunder, to rumble';
(n.) *k'ʷarʸ-a 'rain, storm, stormy weather, thunderstorm'

545. Proto-Nostratic root *k'ʷas- (~ *k'ʷəs-):
(vb.) *k'ʷas- 'to strike fire, to put out (fire)';
(n.) *k'ʷas-a 'spark, fire'

546. Proto-Nostratic root *k'ʷas- (~ *k'ʷəs-) (onomatopoeic):
(vb.) *k'ʷas- 'to sigh, to moan, to groan; to whisper, to murmur, to mumble';
(n.) *k'ʷas-a 'sigh, moan, groan, whisper, murmur, mumble'

547. Proto-Nostratic root *k'ʷat'- (~ *k'ʷət'-):
(vb.) *k'ʷat'- 'to burn, to smolder, to smoke';
(n.) *k'ʷat'-a 'burning, heat, smoke'

548. Proto-Nostratic root *k'ʷat'- (~ *k'ʷət'-):
(vb.) *k'ʷat'- 'to cut';
(n.) *k'ʷat'-a 'knife, cutting instrument'; (adj.) 'sharp'

549. Proto-Nostratic root *k'ʷed-:
(vb.) *k'ʷed- 'to destroy, to damage, to ruin; to decay, to rot, to spoil';
(n.) *k'ʷed-a 'death, destruction, damage, ruin, decay'
Note also:
(vb.) *k'ʷad- 'to strike, to beat, to smash, to pound';
(n.) *k'ʷad-a 'knock, stroke, thrust'

550. Proto-Nostratic root *k'ʷiy- (~ *k'ʷey-):
(vb.) *k'ʷiy- 'to be putrid, purulent';
(n.) *k'ʷiy-a 'pus'

551. Proto-Nostratic (n.) *k'ʷow-a 'bullock, ox, cow'

552. Proto-Nostratic (Eurasiatic only) (n.) *k'ʷoy-a 'outer covering: skin, hide, leather; bark (of a tree), shell, crust'

553. Proto-Nostratic root *k'ʷurʸ- (~ *k'ʷorʸ-):
(vb.) *k'ʷurʸ- 'to be heavy, weighty, solid, bulky';
(n.) *k'ʷurʸ-a 'heaviness, weight, solidity, thickness'; (adj.) 'heavy, weighty, solid, bulky'

PROTO-NOSTRATIC *ɢ

554. Proto-Nostratic root *ɢad- (~ *ɢəd-):
(vb.) *ɢad- 'to make a loud sound or loud noise';
(n.) *ɢad-a 'loud noise, clap of thunder, loud clatter, loud rumble'
Reduplicated (Semitic and Dravidian):
(vb.) *ɢad-ɢad- 'to make a loud sound or loud noise';
(n.) *ɢad-ɢad-a 'loud noise, clap of thunder, loud clatter, loud rumble'

555. Proto-Nostratic root *ɢal- (~ *ɢəl-):
(vb.) *ɢal- 'to come, to go';
(n.) *ɢal-a 'the act of coming or going; trip, voyage'

556. Proto-Nostratic root *ɢal- (~ *ɢəl-):
(vb.) *ɢal- 'to flow';

(n.) *ɢal-a ‘ravine, gully, watercourse, river’

557. Proto-Nostratic root *ɢal- (~ *ɢəl-):
(vb.) *ɢal- ‘to stir up, to agitate, to disturb; to be stirred up, agitated, disturbed’;
(n.) *ɢal-a ‘agitation, disturbance, perturbation; quarrel, fight, battle’

558. Proto-Nostratic root *ɢam- (~ *ɢəm-):
(vb.) *ɢam- ‘to gather together, to bring together, to put together, to join together, to come together, to do together’;
(n.) *ɢam-a ‘gathering, collection, crowd, multitude, throng’

559. Proto-Nostratic root *ɢar- (~ *ɢər-):
(vb.) *ɢar- ‘to mutter, to groan, to grumble, to howl, to roar’;
(n.) *ɢar-a ‘groan, howl, murmur, roar, cry’
Reduplicated (Semitic and Kartvelian):
(vb.) *ɢar-ɢar- ‘to mutter, to groan, to grumble, to howl, to roar’;
(n.) *ɢar-ɢar-a ‘groan, howl, murmur, roar, cry’

560. Proto-Nostratic root *ɢar- (~ *ɢər-):
(vb.) *ɢar- ‘to crush, to grate, to grind; to melt, to dissolve’;
(n.) *ɢar-a ‘the act of crushing, grating, grinding’; (adj.) ‘crushed, grated, ground, dissolved, melted, softened’

561. Proto-Nostratic root *ɢar- (~ *ɢər-):
(vb.) *ɢar- ‘to dig, to dig up, to dig out’;
(n.) *ɢar-a ‘that which is used to dig: spade; that which is dug (out): furrow, ditch, gutter, canal’

562. Proto-Nostratic (n.) *ɢarʸ-a ‘stick, staff, rod, pole, stalk, stem’

563. Proto-Nostratic (n.) *ɢarʸ-a ‘wildfowl, wild goose’
Reduplicated:
(n.) *ɢarʸ-ɢarʸ-a ‘wildfowl, wild goose’

564. Proto-Nostratic root *ɢatʼʸ- (~ *ɢətʼʸ-):
(vb.) *ɢatʼʸ- ‘to bite’;
(n.) *ɢatʼʸ-a ‘bite’; (adj.) ‘biting, sharp, bitter’
Derivative:
(n.) *ɢatʼʸ-a ‘jaw, chin’

565. Proto-Nostratic (n.) *ɢatʼʸ-a ‘jaw, chin’
Derivative of:
(vb.) *ɢatʼʸ- ‘to bite’;
(n.) *ɢatʼʸ-a ‘bite’; (adj.) ‘biting, sharp, bitter’

566. Proto-Nostratic root *ɢer-:
(vb.) *ɢer- ‘to stretch out the hand, to raise one’s hand’;
(n.) *ɢer-a ‘the act of stretching out or raising one’s hand’

567. Proto-Nostratic root (Eurasiatic only) *ɢil- (~ *ɢel-):
(vb.) *ɢil- ‘to shine, to glisten’;
(n.) *ɢil-a ‘brilliance, shine’; (adj.) ‘shining, glistening, gleaming, brilliant’

568. Proto-Nostratic root *ɢit’- (~ *ɢet’-):
(vb.) *ɢit’- ‘to tickle’;
(n.) *ɢit’-a ‘armpit’

569. Proto-Nostratic root *ɢub- (~ *ɢob-):
(vb.) *ɢub- ‘to bend, to twist’;
(n.) *ɢub-a ‘that which is twisted, bent, curved: hunch, wattle’

PROTO-NOSTRATIC *qʰ

570. Proto-Nostratic root *qʰad- (~ *qʰəd-):
(vb.) *qʰad- ‘to move, to put in motion, to be in motion’;
(n.) *qʰad-a ‘way, path, direction, passage; movement, motion; hard work, diligence’

571. Proto-Nostratic root *qʰal- (~ *qʰəl-):
(vb.) *qʰal- ‘to strike, to split, to cut, to wound, to injure’;
(n.) *qʰal-a ‘stroke, blow, wound, cut, slash, damage, injury’

572. Proto-Nostratic root *qʰam- (~ *qʰəm-):
(vb.) *qʰam- ‘to cover, to conceal’;
(n.) *qʰam-a ‘covering’

573. Proto-Nostratic root *qʰarʸ- (~ *qʰərʸ-):
(vb.) *qʰarʸ- ‘to make a rasping sound, to be hoarse; to creak, to croak’;
(n.) *qʰarʸ-a ‘neck, throat’

574. Proto-Nostratic root *qʰatʰ- (~ *qʰətʰ-):
(vb.) *qʰatʰ- ‘to beat, to strike, to fight’;
(n.) *qʰatʰ-a ‘anger, fury, wrath, spite; fight, battle, quarrel; killing, slaughter’

575. Proto-Nostratic root *qʰocʰ-:
(vb.) *qʰocʰ- ‘to take off, to take away, to remove’ (> ‘to remove by wiping, sweeping, rubbing, peeling, pulling or tearing off, etc.’);
(n.) *qʰocʰ-a ‘the act of removing; that which has been removed’ (> ‘rubbish, refuse, sweepings, etc.’)

PROTO-NOSTRATIC *q’

576. Proto-Nostratic (n.) *_q’ab-a_ ‘jaw’

577. Proto-Nostratic root *_q’al-_ (~ *_qəl-_) or *_q’el-_:
(vb.) *_q’al-_ or *_q’el-_ ‘to glitter, to sparkle, to shine, to be or become bright; to make bright’;
(n.) *_q’al-a_ or *_q’el-a_ ‘any bright, shining object: star’

578. Proto-Nostratic (n.) *_q’alʸ-a_ ‘sexual organs, genitals, private parts (male or female)’

579. Proto-Nostratic root *_q’am-_ (~ *_q’əm-_):
(vb.) *_q’am-_ ‘to crush, to grind; to chew, to bite, to eat’;
(n.) *_q’am-a_ ‘bite; tooth’

580. Proto-Nostratic (n.) *_q’an-a_ ‘field, land, (open) country’

581. Proto-Nostratic root *_q’arʸ-_ (~ *_q’ərʸ-_):
(vb.) *_q’arʸ-_ ‘to rot, to stink’;
(n.) *_q’arʸ-a_ ‘rotten, stinking, putrid thing’; (adj.) ‘rotten, stinking, putrid’

582. Proto-Nostratic (n.) *_q’aw-a_ ‘head, forehead, brow’

583. Proto-Nostratic root *_q’el-_:
(vb.) *_q’el-_ ‘to swallow’;
(n.) *_q’el-a_ ‘neck, throat’

584. Proto-Nostratic root *_q’in-_ (~ *_q’en-_):
(vb.) *_q’in-_ ‘to freeze, to be or become cold’;
(n.) *_q’in-a_ ‘cold, frost’

PROTO-NOSTRATIC *ɢʷ

585. Proto-Nostratic root *_ɢʷal-_ (~ *_ɢʷəl-_):
(vb.) *_ɢʷal-_ ‘to curve, to bend, to roll; to be round’;
(n.) *_ɢʷal-a_ ‘round object: circle, globe, sphere, ball, etc.’
Derivative:
(n.) *_ɢʷal-a_ ‘head, skull’

586. Proto-Nostratic (n.) *_ɢʷal-a_ ‘head, skull’
Derivative of:
(vb.) *_ɢʷal-_ ‘to curve, to bend, to roll; to be round’;
(n.) *_ɢʷal-a_ ‘round object: circle, globe, sphere, ball, etc.’

PROTO-NOSTRATIC *q'^{w}

587. Proto-Nostratic root *$q'^{w}ad$- (~ *$q'^{w}əd$-):
(vb.) *$q'^{w}ad$- 'to abide, to dwell; to relax, to rest, to be or become calm';
(n.) *$q'^{w}ad$-a 'dwelling, abode, house'

588. Proto-Nostratic root *$q'^{w}al$- (~ *$q'^{w}əl$-):
(vb.) *$q'^{w}al$- 'to call (out), to cry (out), to shout';
(n.) *$q'^{w}al$-a 'call, cry, outcry, sound, noise, hubbub, uproar'

589. Proto-Nostratic root *$q'^{w}al$- (~ *$q'^{w}əl$-):
(vb.) *$q'^{w}al$- 'to strike, to hit, to cut, to hurt, to wound, to slay, to kill';
(n.) *$q'^{w}al$-a 'killing, murder, manslaughter, destruction, death'
Probably identical to:
(vb.) *$q'^{w}al$- 'to throw, to hurl';
(n.) *$q'^{w}al$-a 'sling, club; throwing, hurling'

590. Proto-Nostratic root *$q'^{w}al$- (~ *$q'^{w}əl$-):
(vb.) *$q'^{w}al$- 'to throw, to hurl';
(n.) *$q'^{w}al$-a 'sling, club; throwing, hurling'
Probably identical to:
(vb.) *$q'^{w}al$- 'to strike, to hit, to cut, to hurt, to wound, to slay, to kill';
(n.) *$q'^{w}al$-a 'killing, murder, manslaughter, destruction, death'

591. Proto-Nostratic (n.) *$q'^{w}ar$-a 'edge, point, tip, peak'

592. Proto-Nostratic root *$q'^{w}ar$- (~ *$q'^{w}ər$-) or *$q'^{w}ur$- (~ *$q'^{w}or$-):
(vb.) *$q'^{w}ar$- or *$q'^{w}ur$- 'to call out, to cry out';
(n.) *$q'^{w}ar$-a or *$q'^{w}ur$-a 'call, cry, shout'

593. Proto-Nostratic root *$q'^{w}ar^{y}$- (~ *$q'^{w}ər^{y}$-) or *$q'^{w}ur^{y}$- (~ *$q'^{w}or^{y}$-):
(vb.) *$q'^{w}ar^{y}$- or *$q'^{w}ur^{y}$- 'to hear';
(n.) *$q'^{w}ar^{y}$-a or *$q'^{w}ur^{y}$-a 'ear'

594. Proto-Nostratic root (Eurasiatic only) *$q'^{w}at^{yh}$- (~ *$q'^{w}ət^{yh}$-):
(vb.) *$q'^{w}at^{yh}$- 'to say, to speak, to call';
(n.) *$q'^{w}at^{yh}$-a 'call, invocation, invitation, summons'

595. Proto-Nostratic root *$q'^{w}ur$- (~ *$q'^{w}or$-):
(vb.) *$q'^{w}ur$- 'to swallow';
(n.) *$q'^{w}ur$-a 'neck, throat'

PROTO-NOSTRATIC *t͡ɬʰ

596. Proto-Nostratic (n.) *t͡ɬʰaħ-a ‘(young) sheep or goat’

597. Proto-Nostratic root *t͡ɬʰakʷʰ- (~ *t͡ɬʰəkʷʰ-):
(vb.) *t͡ɬʰakʷʰ- ‘to prick, to pierce, to stab’;
(n.) *t͡ɬʰakʷʰ-a ‘stab, thrust, jab; thorn, spike, prong, barb’

598. Proto-Nostratic root *t͡ɬʰal- (~ *t͡ɬʰəl-):
(vb.) *t͡ɬʰal- ‘to cut, split, or break open’;
(n.) *t͡ɬʰal-a ‘slit, crack’

599. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
(vb.) *t͡ɬʰar- ‘to cause harm, to injure, to cause strife’;
(n.) *t͡ɬʰar-a ‘injury, harm, strife’

600. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
(vb.) *t͡ɬʰar- ‘to cut, to cut into’;
(n.) *t͡ɬʰar-a ‘cut, slit, slice, slash; that which cuts: saw, knife, axe’
Extended form:
(vb.) *t͡ɬʰar-V-t’- ‘to make incisions, to cut into’;
(n.) *t͡ɬʰar-t’-a ‘scratch, incision’

601. Proto-Nostratic root *t͡ɬʰar- (~ *t͡ɬʰər-):
Extended form:
(vb.) *t͡ɬʰar-V-t’- ‘to make incisions, to cut into’;
(n.) *t͡ɬʰar-t’-a ‘scratch, incision’
Derivative of:
(vb.) *t͡ɬʰar- ‘to cut, to cut into’;
(n.) *t͡ɬʰar-a ‘cut, slit, slice, slash; that which cuts: saw, knife, axe’

602. Proto-Nostratic root *t͡ɬʰay- (~ *t͡ɬʰəy-):
(vb.) *t͡ɬʰay- ‘to grow old, to turn gray (hair)’;
(n.) *t͡ɬʰay-a ‘old age, gray hair’

603. Proto-Nostratic root *t͡ɬʰer-:
(vb.) *t͡ɬʰer- ‘to burn, to roast’;
(n.) *t͡ɬʰer-a ‘ash(es), charcoal, burnt wood; firewood’; (adj.) ‘burned, heated, roasted, charred, parched’

604. Proto-Nostratic root *t͡ɬʰiʕ- (~ *t͡ɬʰeʕ-):
Extended form:
(vb.) *t͡ɬʰiʕ-V-r- ‘to comb’;
(n) *t͡ɬʰiʕ-r-a ‘hair’:

Note: The original meaning of the stem *t͡ɬʰiʕ- (~ *t͡ɬʰeʕ-) may have been ‘to scratch, to scrape’ (> ‘to comb’ > ‘hair’); this stem may be preserved in Cushitic: Proto-Cushitic *ɬaʕf-/*ɬiʕf- or *laʕf-/*liʕf- ‘to claw, to scratch’ (cf. Ehret 1995:429, no. 891). For derivation of the word for ‘hair’ from a stem with the meaning ‘to scratch, to scrape’, cf. Old Church Slavic *kosa* ‘hair’, Serbo-Croatian *kòsa* ‘hair, wool’, etc., *o*-grade of the root found in Common Slavic **česati* ‘to scratch, to comb’ > Russian *česát'* [чесать] ‘to scratch, to comb’.

605. Proto-Nostratic root *t͡ɬʰil- (~ *t͡ɬʰel-) or (?) *t͡ɬʰid͡ʒ- (~ *t͡ɬʰed͡ʒ-):
(vb.) *t͡ɬʰil- or (?) *t͡ɬʰid͡ʒ- ‘to see’;
(n.) *t͡ɬʰil-*a* or (?) *t͡ɬʰid͡ʒ-*a* ‘eye’

606. Proto-Nostratic root *t͡ɬʰir- (~ *t͡ɬʰer-):
(vb.) *t͡ɬʰir- ‘to be highly esteemed, eminent, illustrious, glorious’;
(n.) *t͡ɬʰir-*a* ‘high rank, chief, chieftain, ruler’

607. Proto-Nostratic root *t͡ɬʰuŋ- (~ *t͡ɬʰoŋ-):
Extended form:
(vb.) *t͡ɬʰuŋ-*V*-kʰ- ‘to hook up, to hang up, to suspend (tr.); to dangle, to hang (intr.)’;
(n.) *t͡ɬʰuŋ-kʰ-*a* ‘peg, hook’

608. Proto-Nostratic root *t͡ɬʰut’- (~ *t͡ɬʰot’-):
(vb.) *t͡ɬʰut’- ‘to cut, to split’;
(n.) *t͡ɬʰut’-*a* ‘cut, split’

PROTO-NOSTRATIC *t͡ɬ’

609. Proto-Nostratic root *t͡ɬ’ar- (~ *t͡ɬ’ər-):
(vb.) *t͡ɬ’ar- ‘to bite, to gnaw’;
(n.) *t͡ɬ’ar-*a* ‘bite’
Extended form (in Semitic and Indo-European):
(vb.) *t͡ɬ’ar-*V*-*s*- ‘to bite, to gnaw’;
(n.) *t͡ɬ’ar-*s*-*a* ‘tooth; morsel bitten, food, nourishment’

610. Proto-Nostratic root *t͡ɬ’il- (~ *t͡ɬ’el-):
(vb.) *t͡ɬ’il- ‘to be bent, curved, round’;
(n.) *t͡ɬ’il-*a* ‘bent, curved, round thing or object’; (adj.) ‘bent, curved, round’

611. Proto-Nostratic root *t͡ɬ’im- (~ *t͡ɬ’em-):
(vb.) *t͡ɬ’im- ‘to join, bind, press, or unite together’;
(n.) *t͡ɬ’im-*a* ‘bond, tie, union, connection’; (adj.) ‘joined, bound, pressed, or united together; tied, harnessed, glued, etc.’

612. Proto-Nostratic root *$t\underset{\smile}{ɬ}$'uk^h- (~ *$t\underset{\smile}{ɬ}$'ok^h-):
(vb.) *$t\underset{\smile}{ɬ}$'uk^h- 'to push, to shove, to thrust (in), to press (in)';
(n.) *$t\underset{\smile}{ɬ}$'uk^h-*a* 'push, shove, thrust'

PROTO-NOSTRATIC *ʔ

613. Proto-Nostratic 1st singular personal pronoun stem *ʔ*a*- (~ *ʔ*ə*-), *ʔ*i*- (~ *ʔ*e*-) 'I, me'

No doubt originally the same as the deictic particles *ʔ*a*-, *ʔ*i*- listed below.

Note: The Chukchi forms support the view that we are dealing with what was originally a deictic particle here inasmuch as the same patterning is found in both the first and second person predicative pronoun stems. Moreover, it is the proximate deictic form *ʔ*i*- (~ *ʔ*e*-) that is represented in Chukchi-Kamchatkan as opposed to the distant form *ʔ*a*- (~ *ʔ*ə*-) found in Afrasian (the Proto-Indo-European forms *ʔ*e*+*k'*-, *ʔ*e*+*g^h*-, and *ʔ*e*+*k^h*- are phonologically ambiguous). This seems to indicate that independent developments were involved in each branch, using the same basic elements.

614. Proto-Nostratic demonstrative stems (originally deictic particles):
Proximate: *ʔ*i*- (~ *ʔ*e*-) 'this';
Intermediate: *ʔ*u*- (~ *ʔ*o*-) 'that';
Distant: *ʔ*a*- (~ *ʔ*ə*-) 'that yonder, that over there'

Note: These stems often combined with other deictic particles: *ʔ*a/i/u+na*-, *ʔ*a/i/u+ša*-,*ʔ*a/i/u+ma*-,*ʔ*a/i/u+*t^h*a*-, *ʔ*a/i/u+*k^h*a*-, *ʔ*a/i/u+ya*-, etc.

615. Proto-Nostratic (n.) *ʔ*ab*-*a* 'strength, power'; (adj.) 'strong, mighty'

616. Proto-Nostratic (n.) *ʔ*ab(b)a* ~ *ʔ*ap^h(p^h)a* 'father, forefather' (nursery word)

617. Proto-Nostratic root *ʔ*ad*- (~ *ʔ*əd*-):
(vb.) *ʔ*ad*- 'to be strong, mighty, powerful, exalted';
(n.) *ʔ*ad*-*a* 'lord, master'; (adj.) 'strong, mighty, powerful, exalted'

618. Proto-Nostratic (n.) *ʔ*ad^y*-*a* 'thorn'; (adj.) 'pointed, sharp, prickly'

619. Proto-Nostratic (n.) *ʔ*aħ*-*a* 'cow'

620. Proto-Nostratic root *ʔ*aħ*- (~ *ʔ*əħ*-):
(vb.) *ʔ*aħ*- 'to be young, youthful, tender, fresh';
(n.) *ʔ*aħ*-*a* 'a youth, young man, younger brother'; (adj.) 'young, tender'

621. Proto-Nostratic root *ʔak^{h}- (~ *ʔək^{h}-):
(vb.) *ʔak^{h}- ‘to eat’;
(n.) *ʔak^{h}-*a* ‘food, meal; fodder, feed, morsel’

622. Proto-Nostratic root *ʔak^{h}- (~ *ʔək^{h}-):
(vb.) *ʔak^{h}- ‘to be evil, wicked, bad; to hurt, to harm’;
(n.) *ʔak^{h}-*a* ‘evil, wickedness, harm’

623. Proto-Nostratic root *ʔak^{h}- (~ *ʔək^{h}-):
(vb.) *ʔak^{h}- ‘to dig’;
(n.) *ʔak^{h}-*a* ‘that which is dug: digging, ditch, trench, hole; that which is used to dig: carving tool, chisel, cutter, gouge’

624. Proto-Nostratic (n.) *ʔak^{h}k^{h}*a* ‘older female relative’ (nursery word)
Note also:
(n.) *ʔak^{h}k^{h}*a* ‘older male relative’

625. Proto-Nostratic (n.) *ʔak^{h}k^{h}*a* ‘older male relative’ (nursery word)
Note also:
(n.) *ʔak^{h}k^{h}*a* ‘older female relative’

626. Proto-Nostratic root *ʔak^{wh}- (~ *ʔək^{wh}-):
(vb.) *ʔak^{wh}- ‘to be hot, to burn; to warm oneself’;
(n.) *ʔak^{wh}-*a* ‘heat, fire’

627. Proto-Nostratic root *ʔal- (~ *ʔəl-):
(vb.) *ʔal- ‘to purify, to cleanse’ (> ‘to sift, to clean grain’ in the daughter languages);
(n.) *ʔal-*a* ‘the act of washing, cleaning; that which is washed, cleaned’

Semantics as in Sanskrit *punā́ti* ‘to make clean, clear, pure, or bright; to cleanse, to purify, to purge, to clarify; (with *sáktum*) to cleanse from chaff, to winnow; to sift, to discriminate, to discern’, (passive) *pūyáte* ‘to be cleaned, washed, or purified’; related to Old High German *fowen* ‘to sift, to clean grain’ and Latin *pūrus* ‘clean, pure’.

628. Proto-Nostratic root *ʔal- (~ *ʔəl-) (perhaps also *ʔel-, *ʔul-):
(vb.) *ʔal- ‘to be not so-and-so or such-and-such’;
(n.) *ʔal-*a* ‘nothing’

Originally a negative verb stem meaning ‘to be not so-and-so or such-and-such’ — later used in some branches as a negative particle.

629. Proto-Nostratic root *ʔam- (~ *ʔəm-):
(vb.) *ʔam- ‘to seize, to grasp, to take, to touch, to hold (closely or tightly)’;

(n.) *ʔam-a ‘grasp, hold, hand(ful)’; (adj.) ‘seized, grasped, touched, held, obtained’

630. Proto-Nostratic (n.) *ʔam-a ‘time, moment, point of time’; (particle) ‘now’

631. Proto-Nostratic (n.) *ʔam(m)a ‘mother’ (nursery word)
Note also:
(n.) *ʔema ‘older female relative; mother; (older) woman’

632. Proto-Nostratic root *ʔan- (~ *ʔən-):
(vb.) *ʔan- ‘to load up and go, to send off’;
(n.) *ʔan-a ‘load, burden’

633. Proto-Nostratic root *ʔanʸ- (~ *ʔənʸ-):
(vb.) *ʔanʸ- ‘to be quiet, still, at peace, at rest’;
(n.) *ʔanʸ-a ‘tranquility, peace, rest’; (adj.) ‘quiet, still, peaceful, restful’

634. Proto-Nostratic root *ʔanʸ- (~ *ʔənʸ-):
(vb.) *ʔanʸ- ‘to draw near to, to approach, to come (close to)’;
(n.) *ʔanʸ-a ‘nearness, proximity’
Derivative:
(particle) *ʔanʸ-‘to, towards, over, for, against, upon, on’

635. Proto-Nostratic (particle) *ʔanʸ-‘to, towards, over, for, against, upon, on’
Derivative of:
(vb.) *ʔanʸ- ‘to draw near to, to approach, to come (close to)’;
(n.) *ʔanʸ-a ‘nearness, proximity’

636. Proto-Nostratic (n.) *ʔanʸa ‘mother, aunt’ (nursery word)
Note also:
(n.) *ʔenʸa ‘mother, elder sister’

637. Proto-Nostratic root *ʔaŋ- (~ *ʔəŋ-):
(vb.) *ʔaŋ- ‘to divide, to separate’;
(n.) *ʔaŋ-a ‘separation, difference’; (adj.) ‘separate, different’

638. Proto-Nostratic (n.) *ʔaŋ(ŋ)a ‘(older) female relative’ (nursery word)

639. Proto-Nostratic (n.) *ʔaŋ(ŋ)a ‘(older) male relative’

640. Proto-Nostratic root *ʔapʰ- (~ *ʔəpʰ-):
(vb.) *ʔapʰ- ‘to be more, over, above, extra’;
(n.) *ʔapʰ-a ‘that which is more, over, above, extra’; (adj.) ‘many, more, extra, additional, numerous, teeming’
(particle) *ʔapʰ- ‘also, moreover, besides’

Note: The *CVC*- patterning shows that this stem could not originally have been a particle, though this is how it is preserved in the daughter languages. Though the original meaning is unknown, we may speculate that it may have been something like '(vb.) to be more, over, above, extra; (n.) that which is more, over, above, extra; (adj.) many, more, extra, additional, numerous, teeming'.

641. Proto-Nostratic root *ʔar- (~ *ʔər-):
(vb.) *ʔar- 'to cut (off, apart), to sever, to separate, to part asunder';
(n.) *ʔar-a 'half, side, part'; (adj.) 'severed, separated, parted, disjoined'

642. Proto-Nostratic (n.) *ʔar-a 'male, man, husband'

643. Proto-Nostratic (n.) *ʔar-a 'associated or related person or thing; associate, companion, friend; kinsman, relative'; (adj.) 'associated, related'

644. Proto-Nostratic root *ʔar- (~ *ʔər-) (used as the base for the designation of various horned animals):
(n.) *ʔar-a 'ram, goat, mountain-goat, chamois, ibex, gazelle, etc.'

645. Proto-Nostratic root *ʔas- (~ *ʔəs-):
(vb.) *ʔas- 'to gather, to collect';
(n.) *ʔas-a 'the act of gathering, collecting'

646. Proto-Nostratic root *ʔasʸ- (~ *ʔəsʸ-):
(vb.) *ʔasʸ- 'to put, to place, to set; to sit, to be seated';
(n.) *ʔasʸ-a 'place, seat'; (adj.) 'put, placed, set, established'

647. Proto-Nostratic (n.) *ʔatʰtʰa 'older male relative, father' (nursery word)

648. Proto-Nostratic (n.) *ʔatʼʸa 'older relative (male or female)' (nursery word)

649. Proto-Nostratic coordinating conjunction *ʔaw-, *ʔwa- (~ *ʔwə-) 'or'

650. Proto-Nostratic root *ʔay- (~ *ʔəy-) (interrogative verb stem):
(vb.) *ʔay- 'to do what?, to act in what manner?'
Derivative:
Interrogative-relative pronoun stem *ʔay-, *ʔya- '(relative) who, which, what; (interrogative) who?, which?, what?'

651. Proto-Nostratic interrogative-relative pronoun stem *ʔay-, *ʔya- '(relative) who, which, what; (interrogative) who?, which?, what?':
Derivative of:
(vb.) *ʔay- 'to do what?, to act in what manner?'

652. Proto-Nostratic root *ʔay- (~ *ʔəy-):
(vb.) *ʔay- ‘to go, to proceed’;
(n.) *ʔay-a ‘journey’
Note also:
(vb.) *ʔiy- ‘to come, to go’;
(n.) *ʔiy-a ‘approach, arrival; path, way’

653. Proto-Nostratic *ʔay-a ‘brain’:

654. Proto-Nostratic (n.) *ʔay(y)a ‘mother, female relative’ (nursery word)

655. Proto-Nostratic (n.) *ʔay(y)a ‘father, male relative’ (nursery word)

656. Proto-Nostratic negative particle *ʔe ‘no, not’

657. Proto-Nostratic root *ʔeb-:
(vb.) *ʔeb- ‘to become weak, exhausted, wasted, debilitated, wiped out; to yield, to succumb; to go mad, to become insane, to lose one’s mind; to lose one’s way’;
(n.) *ʔeb-a ‘weakness, exhaustion; madness, silliness, foolishness’; (adj.) ‘weakened, exhausted, debilitated, wiped out; mad, foolish, silly, half-witted’

658. Proto-Nostratic root (Eurasiatic only) *ʔek^{h}-:
(vb.) *ʔek^{h}- ‘to move quickly, to rage; to be furious, raging, violent, spirited, fiery, wild’;
(n.) *ʔek^{h}-a ‘rapid or violent movement, fury, rage’

659. Proto-Nostratic root *ʔek’-:
(vb.) *ʔek’- ‘to diminish, to decrease, to reduce; to be insufficient, lacking, wanting; to be small, weak, lowly, ignoble, common, ordinary, plain, simple’;
(n.) *ʔek’-a ‘diminishment, reduction, decrease, loss; deficiency, want, need, lack’

660. Proto-Nostratic root *ʔel-:
(vb.) *ʔel- ‘to shine, to radiate, to glitter, to glisten’;
(n.) *ʔel-a ‘luster, splendor, light’

661. Proto-Nostratic (Eurasiatic only) (n.) *ʔema ‘older female relative; mother; (older) woman’ (nursery word)
Note also:
(n.) *ʔam(m)a ‘mother’

662. Proto-Nostratic (n.) *ʔen^{y}a ‘mother, elder sister’ (nursery word)

Note also:
(n.) *ʔan^{y}a ‘mother, aunt’

663. Proto-Nostratic root *ʔep^{h}-:
(vb.) *ʔep^{h}- ‘to burn, to be hot; to cook, to boil, to bake’;
(n.) *ʔep^{h}-a ‘the act of cooking, baking; oven’

664. Proto-Nostratic (n.) *ʔer-a ‘earth, ground’

665. Proto-Nostratic root *ʔet^{h}-:
(vb.) *ʔet^{h}- ‘to oppose’;
(n.) *ʔet^{h}-a ‘that which is opposite’

666. Proto-Nostratic root *ʔib- (~ *ʔeb-):
(vb.) *ʔib- ‘to well up, to overflow, to spill over; to pour out or over’;
(n.) *ʔib-a ‘spill, overflow, flood, deluge’

667. Proto-Nostratic root *ʔil- (~ *ʔel-):
(vb.) *ʔil- ‘to live, to be alive; to be, to exist’;
(n.) *ʔil-a ‘dwelling, habitation, house’; (adj.) ‘living, alive, existing’

668. Proto-Nostratic (n.) *ʔil-a (~ *ʔel-a) ‘deer’

669. Proto-Nostratic root *ʔil- (~ *ʔel-):
(vb.) *ʔil- ‘to see, to know’;
(n.) *ʔil-a ‘eye’

670. Proto-Nostratic (n.) *ʔin-a (~ *ʔen-a) ‘place, location’ (> ‘in, within, into’ in the daughter languages)

671. Proto-Nostratic (n.) *ʔina or *ʔiŋa ‘younger relative (male or female)’ (nursery word)

672. Proto-Nostratic root *ʔit’- (~ *ʔet’-):
(vb.) *ʔit’- ‘to chew, to bite, to eat, to consume’;
(n.) *ʔit’-a ‘the act of eating; that which is eaten: food, nourishment’

673. Proto-Nostratic root *ʔiy- (~ *ʔey-):
(vb.) *ʔiy- ‘to come, to go’;
(n.) *ʔiy-a ‘approach, arrival; path, way’
Note also:
(vb.) *ʔay- ‘to go, to proceed’;
(n.) *ʔay-a ‘journey’

674. Proto-Nostratic 1st person personal pronoun stem *ʔiya: (a) ‘by me’; (b) agent marker of the 1st singular of verbs; (c) postnominal possessive pronoun: ‘my’

675. Proto-Nostratic (n.) *ʔom-a ‘rounded prominence at the end of a bone forming a ball and socket joint with the hollow part of another bone, condyle (of the lower jaw, the shoulder, the elbow, the hip, etc.)’

Note: Semantic shifts took place in Semitic, Indo-European, and, in part, Altaic; the original meaning was preserved in Egyptian and Turkic.

676. Proto-Nostratic root *ʔor-:
(vb.) *ʔor- ‘to move rapidly, quickly, hastily; to set in motion’;
(n.) *ʔor-a ‘any rapid motion: running, flowing, pouring, etc.’; (adj.) ‘rapid, quick, hasty’

677. Proto-Nostratic root *ʔorʸ-:
(vb.) *ʔorʸ- ‘to rise (up)’;
(n.) *ʔorʸ-a ‘rising movement or motion’
Extended form:
(vb.) *ʔorʸ-V-g- ‘to climb on, to mount, to copulate (with)’;
(n.) *ʔorʸ-g-a ‘mounting, copulation’

678. Proto-Nostratic root *ʔorʸ-:
Extended form:
(vb.) *ʔorʸ-V-g- ‘to climb on, to mount, to copulate (with)’;
(n.) *ʔorʸ-g-a ‘mounting, copulation’
Derivative of:
(vb.) *ʔorʸ- ‘to rise (up)’;
(n.) *ʔorʸ-a ‘rising movement or motion’

679. Proto-Nostratic root *ʔot’-:
(vb.) *ʔot’- ‘to move to or toward; to move away from; to move out of the way, to step aside’;
(n.) *ʔot’-a ‘movement to or toward; movement away from; step, track’

680. Proto-Nostratic root *ʔow-:
Extended form:
(vb.) *ʔow-V-ħ- ‘to hatch eggs’;
(n.)*ʔow-ħ-a ‘egg’

Dolgopolsky has proposed a very attractive etymology here. However, it must be noted that Arabic ʔāḥ ‘eggwhite, albumen’ is isolated within Semitic. Moreover, even though the Proto-Indo-European form is traditionally reconstructed as *ōu̯i̯om ‘egg’, no single reconstruction can account for all of the forms found in the Indo-European daughter languages. Accordingly, there

are difficulties with this etymology. If this is a valid etymology, it would imply that the Proto-Indo-European form is to be reconstructed as *$\underset{\sim}{\text{ə}}_1 o \underset{\sim}{\text{u}} \underset{\sim}{\text{ə}}_2 \underset{\sim}{\text{i}} om$ ‘egg’, with short vowel in the first syllable and a laryngeal (*$\underset{\sim}{\text{ə}}_2$ [= *$\underset{\smile}{\hbar h}$]) between *$\underset{\sim}{\text{u}}$ and *$\underset{\sim}{\text{i}}$ (the long vowel found in the first syllable of the forms attested in several of the Indo-European daughter languages would then be due to compensatory lengthening following the loss of this laryngeal). There may have been a non-apophonic *o (original, or inherited, *o) in the first syllable, in which case the Proto-Nostratic form would have been *ʔ*ow-ħ-*. Reconstructing a medial laryngeal (*$\underset{\sim}{\text{ə}}_2$ [= *$\underset{\smile}{\hbar h}$]) would also account for the Germanic developments. *ʔ*ow$\underset{\smile}{\hbar h}$-yo-m* (traditional *$\underset{\sim}{\text{ə}}_1 o \underset{\sim}{\text{u}} \underset{\sim}{\text{ə}}_2 \underset{\sim}{\text{i}} om$) ‘egg’ cannot, as is often assumed, be a derivative of the common Proto-Indo-European word for ‘bird’, which requires an initial *a*-coloring laryngeal (preserved in Armenian): *Aéw-i-s* [*Aáw-i-s*], *Aw-éy-s* > Armenian *hav* ‘bird, hen, chicken’; Latin *avis* ‘a bird’; Umbrian (acc.) *avif* ‘bird’; Sanskrit (nom. sg.) *ví-ḥ*, (Rigveda) *vé-ḥ* ‘a bird’; etc.

681. Proto-Nostratic root *ʔ*oy-*:
(vb.) *ʔ*oy-* ‘to be by oneself, to be alone’;
(n.) *ʔ*oy-a* ‘solitude, aloneness’; (adj.) ‘single, alone; one’

682. Proto-Nostratic (n.) *ʔ*ul-a* ‘the bottom or lowest part of anything; the sole of the foot; soil, earth, ground, land’

Semantics as in Latin *sŏlum* ‘the bottom or lowest part of anything; the sole of the foot; soil, earth, ground, land’ (cf. Buck 1949:1.212).

683. Proto-Nostratic deictic stem indicating distance farthest away from the speaker *ʔ*ul-* (~ *ʔ*ol-*) ‘that over there, that yonder’

684. Proto-Nostratic root *ʔ*um-* (~ *ʔ*om-*):
(vb.) *ʔ*um-* ‘to bear, to give birth’;
(n.) *ʔ*um-a* ‘offspring, descendant’

685. Proto-Nostratic root *ʔ*up^h-* (onomatopoeic):
(vb.) *ʔ*up^h-* ‘to blow’;
(n.) *ʔ*up^h-a* ‘puff of air, breath’

686. Proto-Nostratic root *ʔ*ut’-* (~ *ʔ*ot’-*):
(vb.) *ʔ*ut’-* ‘to stretch, to lengthen’;
(n.) *ʔ*ut’-a* ‘wide-open space, outdoor area, exterior; length, distance’; (adj.) ‘wide, broad, long’

PROTO-NOSTRATIC *h

687. Proto-Nostratic root **hag-* (~ **həg-*):
(vb.) **hag-* ‘to burn, to be on fire, to be aflame, to be ablaze, to shine brightly’;
(n.) **hag-a* ‘midday heat, heat of sun, sunlight’

688. Proto-Nostratic root **hakʰ-* (~ **həkʰ-*):
(vb.) **hakʰ-* ‘to be sluggish, slow; to do or approach something gradually, slowly, step by step’; (adv.) ‘slowly, gradually’;
(n.) **hakʰ-a* ‘slowness, gradualness, sluggishness’

689. Proto-Nostratic root **hak'-* (~ **hək'-*):
(vb.) **hak'-* ‘to press, squeeze, pack, or cram together; to confine, to oppress’;
(n.) **hak'-a* ‘oppression, affliction, pain’

690. Proto-Nostratic root **hal-* (~ **həl-*):
(vb.) **hal-* ‘to light up, to beam forth, to shine, to brighten up, to radiate’;
(n.) **hal-a* ‘clearness, brightness, radiance, purity’; (adj.) ‘clear, pure, bright, shining, radiant’

691. Proto-Nostratic root **hal-* (~ **həl-*):
(adv.) **hal-* ‘else, otherwise’;
(n.) **hal-a* ‘other side’; (adj.) ‘other’

692. Proto-Nostratic (n.) **ham-a* ‘blackness; black object’; (adj.) ‘black’

693. Proto-Nostratic (n.) **ham-a* ‘water’

694. Proto-Nostratic root **ham-* (~ **həm-*):
(vb.) **ham-* ‘to take into the mouth, to eat’;
(n.) **ham-a* ‘mouth’

695. Proto-Nostratic root **haŋ-* (~ **həŋ-*):
(vb.) **haŋ-* ‘to split apart, to open (tr.); to gape, to open the mouth, to yawn’;
(n.) **haŋ-a* ‘opening: yawn, gape, mouth; hole; crack, crevice’

696. Proto-Nostratic root **hapʰ-* (~ **həpʰ-*):
(vb.) **hapʰ-* ‘to turn, to turn away, to turn back’;
(n.) **hapʰ-a* ‘the act of turning away, turning back, overturning’; (adj.) ‘turned away from, turned back, overturned’

697. Proto-Nostratic root **haw-* (~ **həw-*):
(vb.) **haw-* ‘to long for, to desire’;
(n.) **haw-a* ‘desire’

698. Proto-Nostratic (n.) **hay-a* ‘a kind of cereal or grain’

699. Proto-Nostratic exclamation of surprise, astonishment, grief, or misfortune **hay*

700. Proto-Nostratic (n.) **hay-a* ‘metal, ore’

701. Proto-Nostratic root **her-* and/or **hor-*:
(vb.) **her-* and/or **hor-* ‘to escape, to flee, to run away’;
(n.) **her-a* and/or **hor-a* ‘escape, flight’; (adj.) ‘escaped, liberated, freed’

PROTO-NOSTRATIC **ħ*

702. Proto-Nostratic root **ħac'-* (~ **ħəc'-*):
(vb.) **ħac'-* ‘to pick, to pluck’;
(n.) **ħac'-a* ‘the act of picking, plucking’; (adj.) ‘picked, plucked’

703. Proto-Nostratic root **ħag-* (~ **ħəg-*):
(vb.) **ħag-* ‘to be pressed or weighed down; to be oppressed; to be vexed, distressed, disheartened, afflicted, troubled’;
(n.) **ħag-a* ‘trouble, affliction, oppression, distress, grief, sadness’

704. Proto-Nostratic root **ħag-* (~ **ħəg-*):
(vb.) **ħag-* ‘to cover over, to hide, to conceal, to obscure, to overshadow’;
(n.) **ħag-a* ‘mist, darkness, cloudy weather’; (adj.) ‘misty, dark, cloudy’

705. Proto-Nostratic root **ħak^{h}-* (~ **ħək^{h}-*):
(vb.) **ħak^{h}-* ‘to be mentally sharp, keen’;
(n.) **ħak^{h}-a* ‘wisdom, sound judgment, understanding’

706. Proto-Nostratic root **ħak'-* (~ **ħək'-*):
(vb.) **ħak'-* ‘to spread, to widen, to extend’;
(n.) **ħak'-a* ‘expanse, wide-open space, earth, field’

707. Proto-Nostratic root **ħak'-* (~ **ħək'-*):
(vb.) **ħak'-* ‘to direct, to guide, to command’;
(n.) **ħak'-a* ‘direction, guidance, command, decree; leader, chief, chieftain, ruler, headman’

708. Proto-Nostratic root **ħal-* (~ **ħəl-*):
(vb.) **ħal-* ‘to lay waste, to destroy, to kill, to slaughter’;
(n.) **ħal-a* ‘destruction, violence, killing, slaughter’

Note also:
(vb.) **xal-* ‘to wear down, to wear out, to weaken; to be worn out, worn down, weakened’;
(n.) **xal-a* ‘weakness, exhaustion, fatigue, weariness’; (adj.) ‘weak, worn out, tired, exhausted, weary’

709. Proto-Nostratic root **ħal-* (~ **ħəl-*):
(vb.) **ħal-* ‘to wash, to rinse, to clean’;
(n.) **ħal-a* ‘the act of washing, cleaning’; (adj.) ‘washed, clean(ed)’

710. Proto-Nostratic root **ħal-* (~ **ħəl-*):
(vb.) **ħal-* ‘to lower’;
(n.) **ħal-a* ‘that which is beneath or under; lower part, underpart’; (adj.) ‘lower’

711. Proto-Nostratic root **ħal^{y}-* (~ **ħəl^{y}-*):
(vb.) **ħal^{y}-* ‘to grow, to be strong’;
(n.) **ħal^{y}-a* ‘health, strength, power’; (adj.) ‘healthy, strong, powerful; grown, great, large’

712. Proto-Nostratic (n.) **ħal^{y}-a* ‘hole, hollow, cavity’

713. Proto-Nostratic root **ħam-* (~ **ħəm-*):
(vb.) **ħam-* ‘to be sharp, sour, bitter, acrid’;
(n.) **ħam-a* ‘any sharp-tasting, sour, bitter, or acrid foodstuff’; (adj.) ‘sharp, sour, bitter, acrid’

714. Proto-Nostratic root **ħam-* (~ **ħəm-*):
(vb.) **ħam-* ‘to become still, quiet, tranquil; to rest, to settle down, to remain, to abide’;
(n.) **ħam-a* ‘abode, resting place; stillness, tranquility’; (adj.) ‘seated, settled’

715. Proto-Nostratic root **ħan-* (~ **ħən-*):
(vb.) **ħan-* ‘to show favor; to be gracious, affectionate, tender’;
(n.) **ħan-a* ‘affection, tenderness, favor, graciousness’

716. Proto-Nostratic root **ħan-* (~ **ħən-*):
(vb.) **ħan-* ‘to bend, to curve, to twist’;
(n.) **ħan-a* ‘bend, curve, twist’

717. Proto-Nostratic root **ħan-* (~ **ħən-*):
Extended form:
(vb.) **ħan-V-g-* ‘to tie tightly, to constrict, to make narrow; to choke, to strangle’;
(n.) **ħan-g-a* ‘throat’; (adj.) ‘narrow, constricted’

718. Proto-Nostratic root *ħaŋ- (~ *ħəŋ-):
(vb.) *ħaŋ- ‘to dive into water (bird)’;
(n.) *ħaŋ-a ‘an aquatic bird’

719. Proto-Nostratic root *ħap^{h}- (~ *ħəp^{h}-):
(vb.) *ħap^{h}- ‘to take, gather, or collect (with the hands or arms)’;
(n.) *ħap^{h}-a ‘that which has been gathered or collected: plenty, fullness, abundance, wealth, possessions, property; embrace, armful, handful’

720. Proto-Nostratic root *ħap^{h}- (~ *ħəp^{h}-):
(vb.) *ħap^{h}- ‘to move quickly, to run, to flow’;
(n.) *ħap^{h}-a ‘(flowing or running) water, river, stream, current’

721. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- ‘to prepare, to make ready, to put together’;
(n.) *ħar-a ‘way, manner, method’

722. Proto-Nostratic (n.) *ħar-a ‘arm, hand’

723. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- ‘to be superior, to be higher in status or rank, to be above or over’;
(n.) *ħar-a ‘nobleman, master, chief, superior’; (adj.) ‘free-born, noble’

724. Proto-Nostratic root *ħar- (~ *ħər-):
(vb.) *ħar- ‘to scratch, to scrape’ (> ‘to plow’ in the daughter languages);
(n.) *ħar-a ‘scraping, scratching’

725. Proto-Nostratic *ħar^{y}-: (1) particle introducing an alternative: ‘or’, (2) conjoining particle: ‘with, and’, (3) inferential particle: ‘then, therefore’

Note: The *CVC*- patterning shows that this stem could not originally have been a particle, though this is how it is preserved in the daughter languages. The original meaning is unknown.

726. Proto-Nostratic root *ħas- (~ *ħəs-):
(vb.) *ħas- ‘to burn, to be hot’;
(n.) *ħas-a ‘cinder, ember, ashes; heat’

727. Proto-Nostratic root *ħas^{y}- (~ *ħəs^{y}-) (used to designate various tree names):
(n.) *ħas^{y}-a ‘a tree and its fruit’

728. Proto-Nostratic root *ħat’- (~ *ħət’-):
(vb.) *ħat’- ‘to shake, to tremble; to be shaken, startled, frightened, terrified, afraid’;
(n.) *ħat’-a ‘trembling, shaking’

Note also:
(vb.) **ħut'-* ‘to shake, to shiver, to tremble’;
(n.) **ħut'-a* ‘trembling, shaking’; (adj.) ‘shaking, shivering, trembling’

729. Proto-Nostratic (n.) **ħaw-a* ‘a relative on the mother’s side’

730. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to surge up, to overflow, to rain’;
(n.) **ħaw-a* ‘torrential rain, torrent, deluge’
Probably related to:
(vb.) **ħaw-* ‘to swell, to increase’;
(n.) **ħaw-a* ‘swelling, increase, growth; great number or amount’

731. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to swell, to increase’;
(n.) **ħaw-a* ‘swelling, increase, growth; great number or amount’
Probably related to:
(vb.) **ħaw-* ‘to surge up, to overflow, to rain’;
(n.) **ħaw-a* ‘torrential rain, torrent, deluge’

732. Proto-Nostratic root **ħaw-* (~ **ħəw-*):
(vb.) **ħaw-* ‘to weave, to braid, to plait, to twist, to turn’;
(n.) **ħaw-a* ‘the act of weaving, braiding, plaiting’

733. Proto-Nostratic root **ħay-* (~ **ħəy-*):
(vb.) **ħay-* ‘to live, to be alive’;
(n.) **ħay-a* ‘life, age’
Extended form:
(vb.) **ħay-V-w-* ‘to live, to be alive’;
(n.) **ħay-w-a* ‘life, age’

734. Proto-Nostratic root **ħay-* (~ **ħəy-*):
Extended form:
(vb.) **ħay-V-t'-* ‘to swell, to be fat’;
(n.) **ħay-t'-a* ‘a swelling, fat’; (adj.) ‘fat, swollen’

735. Proto-Nostratic root **ħaʒ-* (~ **ħəʒ-*):
(vb.) **ħaʒ-* ‘to cut into, to carve, to notch’;
(n.) **ħaʒ-a* ‘that which is cut: incision, notch, nick; that which cuts: saw, chisel, axe, hatchet’

736. Proto-Nostratic root **ħin-* (~ **ħen-*):
Extended form:
(vb.) **ħin-V-k^{h}-* ‘to reach, to come to, to arrive at, to gain; to offer, to present’;

(n.) **ħin-k^h-a* ‘gain, mastery, experience; offering, present’

737. Proto-Nostratic root **ħiw-* (~ **ħew-*), **ħiy-* (~ **ħey-*):
(vb.) **ħiw-*, **ħiy-* ‘to lack, to stand in need, to be in want’;
(n.) **ħiw-a*, **ħiy-a* ‘need, want, lack, deficiency’

738. Proto-Nostratic (Eurasiatic only) (n.) **ħok^h-a* ‘sharp point’

739. Proto-Nostratic root **ħok’-*:
(vb.) **ħok’-* ‘to scrape, to scratch’;
(n.) **ħok’-a* ‘scraping, scratching’

740. Proto-Nostratic root **ħon-*:
(vb.) **ħon-* ‘to swell, to grow, to rise’;
(n.) **ħon-a* ‘height, elevation, swelling’

741. Proto-Nostratic root **ħul-* (~ **ħol-*):
(vb.) **ħul-* ‘to destroy, to lay waste, to cause to perish’;
(n.) **ħul-a* ‘ruin, destruction; end, death’

742. Proto-Nostratic (n.) **ħur-a* (and/or **ħer-a* ?) ‘hawk-like bird: falcon, hawk, eagle, kite’

743. Proto-Nostratic root **ħur-* (~ **ħor-*):
(vb.) **ħur-* ‘to pound, to grind, to crush, to waste away or wear down by rubbing’;
(n.) **ħur-a* ‘pestle, mortar’

744. Proto-Nostratic root **ħut’-* (~ **ħot’-*):
(vb.) **ħut’-* ‘to shake, to shiver, to tremble’;
(n.) **ħut’-a* ‘trembling, shaking’; (adj.) ‘shaking, shivering, trembling’
Note also:
(vb.) **ħat’-* ‘to shake, to tremble; to be shaken, startled, frightened, terrified, afraid’;
(n.) **ħat’-a* ‘trembling, shaking’

PROTO-NOSTRATIC **ʕ*

745. Proto-Nostratic root **ʕag-* (~ **ʕəg-*):
(vb.) **ʕag-* ‘to bud, to sprout, to grow’;
(n.) **ʕag-a* ‘outgrowth, bud, sprout, protuberance’

746. Proto-Nostratic root **ʕak^h-* (~ **ʕək^h-*):
(vb.) **ʕak^h-* ‘to beat, to strike, to break’;

(n.) *ʕak^{h}-a* ‘the act of beating, striking, breaking’

747. Proto-Nostratic root *ʕal- (~ *ʕəl-):
(vb.) *ʕal- ‘to be high, tall, elevated, exalted; to rise high; to ascend’;
(n.) *ʕal-a ‘highest point: peak, summit, mountain’;
(particle) *ʕal- ‘on, upon, on top of, over, above, beyond’

748. Proto-Nostratic root *ʕal- (~ *ʕəl-):
(vb.) *ʕal- ‘to make a fire, to light a fire, to ignite, to kindle, to burn’;
(n.) *ʕal-a ‘fire, torch’

749. Proto-Nostratic root *ʕam- (~ *ʕəm-):
(vb.) *ʕam- ‘to sink, to dip, to plunge’;
(n.) *ʕam-a ‘deep place, valley’; (adj.) ‘sunken, deep’

750. Proto-Nostratic root *ʕam- (~ *ʕəm-):
(vb.) *ʕam- ‘to lift, to raise, to make high’;
(n.) *ʕam-a ‘highest point, tip, top’
Extended form (Semitic and Indo-European):
(vb.) *ʕam-V-d- ‘to lift, to raise, to make high’;
(n.) ʕam-d-a ‘highest point, tip, top’

751. Proto-Nostratic root *ʕam- (~ *ʕəm-):
(vb.) *ʕam- ‘to shoot, to hurl, to throw’;
(n.) *ʕam-a ‘arrow’

752. Proto-Nostratic root *ʕan- (~ *ʕən-):
(vb.) *ʕan- ‘to breathe, to respire, to live’;
(n.) *ʕan-a ‘life, breath’

753. Proto-Nostratic (n.) *ʕaŋ-a ‘upper part’; (particle) *ʕaŋ- ‘up, above’

754. Proto-Nostratic root *ʕap’- (~ *ʕəp’-):
(vb.) *ʕap’- ‘to grasp, to seize, to take hold of, to take by force’;
(n.) *ʕap’-a ‘grasp, hold, seizure’

755. Proto-Nostratic (n.) *ʕar-a ‘back, rear; hindquarters, behind’

756. Proto-Nostratic root *ʕar- (~ *ʕər-):
Extended form:
(vb.) *ʕar-V-g- ‘to climb on, to mount; to rise, to ascend; to lift up, to raise’;
(n.) *ʕar-g-a ‘climbing, mounting’

757. Proto-Nostratic root *ʕat^{h}- (~ *ʕət^{h}-):
(vb.) *ʕat^{h}- ‘to move, to proceed, to advance (in years)’;

(n.) *ʕat^{h}-a ‘maturity, old age; advance’; (adj.) ‘mature, old; advanced’

758. Proto-Nostratic root *ʕen-:
(vb.) *ʕen- ‘to see, to notice, to pay attention’;
(n.) *ʕen-a ‘sight, view, attention’

759. Proto-Nostratic root *ʕeŋ-:
(vb.) *ʕeŋ- ‘to think, to consider’;
(n.) *ʕeŋ-a ‘thought, idea, notion, concept, intention, deliberation’

760. Proto-Nostratic root *ʕey-:
(vb.) *ʕey- ‘to know, to recognize’;
(n.) *ʕey-a ‘sight, recognition’; (adj.) ‘known, seen, recognized’

761. Proto-Nostratic (n.) *ʕig-a ‘young of an animal, calf’

762. Proto-Nostratic root *ʕim- (~ *ʕem-):
(vb.) *ʕim- ‘to suck, to swallow’;
(n.) *ʕim-a ‘the act of sucking, swallowing; breast, nipple, teat’

763. Proto-Nostratic root *ʕor^{y}-:
(vb.) *ʕor^{y}- ‘to turn or twist round’;
(n.) *ʕor^{y}-a ‘turning, twisting; binding, tying; sewing, weaving’

764. Proto-Nostratic (n.) *ʕub-a ‘bosom, breast’

765. Proto-Nostratic root *ʕun^{y}- (~ *ʕon^{y}-):
(vb.) *ʕun^{y}- ‘to eat, to drink, to swallow; to feed (on), to suck (milk from a breast)’;
(n.) *ʕun^{y}-a ‘food, meal’

766. Proto-Nostratic root *ʕur- (~ *ʕor-):
(vb.) *ʕur- ‘to be firm, hard, strong’;
(n.) *ʕur-a ‘firmness, hardness, strength’; (adj.) ‘firm, hard, strong’

767. Proto-Nostratic root *ʕut’- (~ *ʕot’-):
(vb.) *ʕut’- ‘to smell’;
(n.) *ʕut’-a ‘smell, odor, fragrance’

768. Proto-Nostratic (n.) *ʕuw-a (~ *ʕow-a) ‘herd of small animals, sheep and goats’

PROTO-NOSTRATIC *x

769. Proto-Nostratic root **xal-* (~ **xəl-*):
(vb.) **xal-* ‘to wear down, to wear out, to weaken; to be worn out, worn down, weakened’;
(n.) **xal-a* ‘weakness, exhaustion, fatigue, weariness’; (adj.) ‘weak, worn out, tired, exhausted, weary’
Note also:
(vb.) **ħal-* ‘to lay waste, to destroy, to kill, to slaughter’;
(n.) **ħal-a* ‘destruction, violence, killing, slaughter’

770. Proto-Nostratic root **xal-* (~ **xəl-*):
(vb.) **xal-* ‘to divide, to allot, to apportion, to enumerate, to count’;
(n.) **xal-a* ‘division, allotment, portion, share; measurement, calculation, number’

771. Proto-Nostratic root **xam-* (~ **xəm-*):
(vb.) **xam-* ‘to be wild, fierce, brave, strong, manly’;
(n.) **xam-a* ‘a male (human or animal)’
Extended form (Dravidian and Indo-European):
(vb.) **xam-V-d-* ‘to be wild, fierce, brave, strong, manly’;
(n.) **xam-d-a* ‘a male (human or animal)’ (**xam-d-* > **xan-d-*)

772. Proto-Nostratic root **xan-* (~ **xən-*):
(vb.) **xan-* ‘to sprout, to floursh, to bloom’;
(n.) **xan-a* ‘sprout, bloom, blossom’

773. Proto-Nostratic root **xaŋ-* (~ **xəŋ-*):
(vb.) **xaŋ-* ‘to lift, to raise; to rise, to go upward, to ascend’;
(n.) **xaŋ-a* ‘that which is most prominent, foremost, visible, or noticeable’;
(particle) **xaŋ-* ‘on top of, over, above’
Extended form:
(n.) **xaŋ-t^{h}-a* ‘the most prominent or foremost (person or thing), front, front part’

774. Proto-Nostratic root **xaŋ-* (~ **xəŋ-*):
Extended form:
(n.) **xaŋ-t^{h}-a* ‘the most prominent or foremost (person or thing), front, front part’
Derivative of:
(vb.) **xaŋ-* ‘to lift, to raise; to rise, to go upward, to ascend’;
(n.) **xaŋ-a* ‘that which is most prominent, foremost, visible, or noticeable’;
(particle) **xaŋ-* ‘on top of, over, above’

775. Proto-Nostratic root **xat'-* (~ **xət'-*):
(vb.) **xat'-* 'to cut into, to hollow out, to engrave, to prick, to pierce';
(n.) **xat'-a* 'slice, carving, engraving, engraved line, incision'

776. Proto-Nostratic root **xol-*:
(vb.) **xol-* 'to be separated or apart from, by oneself, alone; to set apart';
(n.) **xol-a* 'solitude, seclusion, loneliness'; (adj.) 'alone, lonely'

PROTO-NOSTRATIC *x^w

777. Proto-Nostratic root **x^wal-* (~ **x^wəl-*):
(vb.) **x^wal-* 'to pull (off, out), to tear (off, out)';
(n.) **x^wal-a* 'the act of pulling or tearing (off, out)'

778. Proto-Nostratic root **x^wat'-* (~ **x^wət'-*):
(vb.) **x^wat'-* 'to scratch, to scrape';
(n.) **x^wat'-a* 'the act of scratching, scraping'

779. Proto-Nostratic root **x^wat'-* (~ **x^wət'-*):
(vb.) **x^wat'-* 'to chatter, to speak';
(n.) **x^wat'-a* 'chatter, talk'

780. Proto-Nostratic root **x^wel^y-*:
(vb.) **x^wel^y-* 'to gulp down';
(n.) **x^wel^y-a* 'neck, throat'

781. Proto-Nostratic root **x^wir-* (~ **x^wer-*):
(vb.) **x^wir-* 'to make a loud noise, to make a shrill sound';
(n.) **x^wir-a* 'loud noise'

PROTO-NOSTRATIC *γ

782. Proto-Nostratic root **γam-* (~ **γəm-*):
(vb.) **γam-* 'to be or become dark; to cover, to hide';
(n.) **γam-a* 'darkness; sunset, evening'

783. Proto-Nostratic root **γil-* (~ **γel-*):
(vb.) **γil-* 'to bear, to give birth, to beget (of humans)';
(n.) **γil-a* 'child, youth, young person'; (adj.) 'young, immature'

784. Proto-Nostratic root **γor-*:
(vb.) **γor-* 'to leave, to go away, to depart; to separate; to abandon';
(n.) **γor-a* 'leaving, departure; separation; abandonment'

Extended form:
(vb.) **γor-V-b-* ‘to leave, to go away, to depart; to separate; to abandon’;
(n.) **γor-b-a* ‘leaving, departure; separation; abandonment’

PROTO-NOSTRATIC *y

785. Proto-Nostratic root **yaʔ-* (~ **yəʔ-*):
(vb.) **yaʔ-* ‘to tie, to bind, to gird’;
(n.) **yaʔ-a* ‘binding, bond, bandage; belt, girdle’

786. Proto-Nostratic (n.) **yam-a* ‘water, sea’

787. Proto-Nostratic root **yan-* (~ **yən-*):
(vb.) **yan-* ‘to say, to speak’;
(n.) **yan-a* ‘saying, word, expression’

788. Proto-Nostratic root **yaw-* (~ **yəw-*):
(vb.) **yaw-* ‘to produce young’;
(n.) **yaw-a* ‘youth, young person, child’; (adj.) ‘young’

789. Proto-Nostratic (Eurasiatic only) (n.) **yiw-a* (~ **yew-a*) ‘grain’

790. Proto-Nostratic (n.) **yor-a* ‘set of two, group of two; a pair of …’ (> ‘two’)

PROTO-NOSTRATIC *w

791. Proto-Nostratic 1st person personal pronoun stem **wa-* (~ **wə-*) ‘I, me; we us’

792. Proto-Nostratic sentence particle **wa-* (~ **wə-*) ‘and, also, but; like, as’

793. Proto-Nostratic root **waʕ-* (~ **wəʕ-*):
(vb.) **waʕ-* ‘to call, to cry out, to shout’;
(n.) **waʕ-a* ‘cry, howl, clamor, shout, noise’

794. Proto-Nostratic root **wad-* (~ **wəd-*):
(vb.) **wad-* ‘to take, to lead, to carry, to bring’;
(n.) **wad-a* ‘the act of taking, leading, carrying, bringing’

795. Proto-Nostratic root **waħ-* (~ **wəħ-*):
(vb.) **waħ-* ‘to strike, to stab, to wound’;
(n.) **waħ-a* ‘wound, scar; knife, sword, blade, spear(head)’

796. Proto-Nostratic root **wak'-* (~ **wək'-*):
(vb.) **wak'-* ‘to rouse, to stir up, to excite’;
(n.) **wak'-a* ‘energy, vigor, strength, power, might’

797. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to be or become strong’;
(n.) **wal-a* ‘strength, power’

798. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to pull (out)’;
(n.) **wal-a* ‘pulling, dragging’

799. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to cry out, to call out, to shout’;
(n.) **wal-a* ‘sound, noise, cry, wail, lamentation, howl, hubbub’

800. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to go, to go away, to depart’;
(n.) **wal-a* ‘departure, flight, escape’

801. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to flow, to wet, to moisten’;
(n.) **wal-a* ‘flow, trickle; wetness, moisture, dampness’; (adj.) ‘wet, damp’

802. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to set fire to, to burn, to heat up, to warm’;
(n.) **wal-a* ‘heat, warmth, boiling’

803. Proto-Nostratic root **wal-* (~ **wəl-*):
(vb.) **wal-* ‘to crush, to grind, to wear out; to rub, to press; to be worn out, weak; to fade, to wither, to waste away’;
(n.) **wal-a* ‘distress, pain, difficulty; weakness, hunger, starvation’

804. Proto-Nostratic root **wal^{y}-* (~ **wəl^{y}-*):
(vb.) **wal^{y}-* ‘to turn, to roll, to revolve’;
(n.) **wal^{y}-a* ‘circle, circumference; turn, rotation’; (adj.) ‘round’

805. Proto-Nostratic root **wal^{y}-* (~ **wəl^{y}-*):
(vb.) **wal^{y}-* ‘to blaze, to shine, to be bright’;
(n.) **wal^{y}-a* ‘whiteness, glitter, luster, brightness, light’; (adj.) ‘shining, bright, white’

806. Proto-Nostratic root **wam-* (~ **wəm-*):
(vb.) **wam-* ‘to eject, to spit out, to spit up’;
(n.) **wam-a* ‘spittle, vomit’

807. Proto-Nostratic root **wan-* (~ **wən-*):
(vb.) **wan-* ‘to stay, to remain’;
(n.) **wan-a* ‘abode, dwelling’

808. Proto-Nostratic (n.) **wan-a* ‘share, portion, period (of time)’

809. Proto-Nostratic (n.) **wan-a* ‘first, first-born, eldest’

810. Proto-Nostratic root **wan-* (~ **wən-*):
(vb.) **wan-* ‘to bend’;
(n.) **wan-a* ‘bend, curve’; (adj.) ‘crooked, bent, curved’

811. Proto-Nostratic root **waŋ-* (~ **wəŋ-*):
(vb.) **waŋ-* ‘to strike, to stab, to wound, to cut’;
(n.) **waŋ-a* ‘cut, slash, gash, wound; harm, injury; dagger, knife’

812. Proto-Nostratic (n.) **war-a* ‘man, male, male animal’

813. Proto-Nostratic root **war-* (~ **wər-*):
(vb.) **war-* ‘to look, to watch out for, to observe, to care for’;
(n.) **war-a* ‘watch, vigil, guardianship, care; watchman, guard, keeper, warder’

814. Proto-Nostratic root **war-* (~ **wər-*):
(vb.) **war-* ‘to comb’;
(n.) **war-a* ‘comb’

815. Proto-Nostratic root **war-* (~ **wər-*):
(vb.) **war-* ‘to stretch, to extend, to expand’;
(n.) **war-a* ‘width, breadth, length’; (adj.) ‘wide, broad’
Probably identical to:
(vb.) **war-* ‘to raise, to elevate, to grow, to increase’;
(n.) **war-a* ‘uppermost, highest, or topmost part’

816. Proto-Nostratic root **war-* (~ **wər-*):
(vb.) **war-* ‘to raise, to elevate, to grow, to increase’;
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817. Proto-Nostratic root **war-* (~ **wər-*):
(vb.) **war-* ‘to burn, to blaze’;
(n.) **war-a* ‘blaze, flame, heat, warmth’

818. Proto-Nostratic root **war-* (~ **wər-*) and/or **wir-* (~ **wer-*):
(vb.) **war-* and/or **wir-* ‘to say, to speak, to tell, to point out, to make known’;
(n.) **war-a* and/or **wir-a* ‘news, report, gossip, speech’

819. Proto-Nostratic root **was^{y}-* (~ **wəs^{y}-*):
(vb.) **was^{y}-* ‘to be or become worn out, tired, weary, fatigued, exhausted’;
(n.) **was^{y}-a* ‘weariness, fatigue, exhaustion’
Identical to:
(vb.) **was^{y}-* ‘to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay’;
(n.) **was^{y}-a* ‘the act of crushing, grinding, pounding; wasting away, decay, decomposition’

820. Proto-Nostratic root **was^{y}-* (~ **wəs^{y}-*):
(vb.) **was^{y}-* ‘to crush, to grind, to pound, to wear out; to wither, to fade, to rot away, to waste away, to dry up, to decay’;
(n.) **was^{y}-a* ‘the act of crushing, grinding, pounding; wasting away, decay, decomposition’
Identical to:
(vb.) **was^{y}-* ‘to be or become worn out, tired, weary, fatigued, exhausted’;
(n.) **was^{y}-a* ‘weariness, fatigue, exhaustion’

821. Proto-Nostratic root **waš-* (~ **wəš-*):
(vb.) **waš-* ‘to add (to), to augment, to increase, to heap up’;
(n.) **waš-a* ‘augmentation, increase, addition, increment’; (adj.) ‘increased, augmented, heaped up, filled, full’

822. Proto-Nostratic root **wat^{h}-* (~ **wət^{h}-*):
(vb.) **wat^{h}-* ‘to pass (of time); to grow old, to age’;
(n.) **wat^{h}-a* ‘year, age’; (adj.) ‘old’

823. Proto-Nostratic root **wat^{h}-* (~ **wət^{h}-*):
(vb.) **wat^{h}-* ‘to say, to speak, to be talkative’;
(n.) **wat^{h}-a* ‘sound, cry, chatter, babble, report’

824. Proto-Nostratic (n.) **wat’^{y}-a* ‘the belly, stomach, bowels; womb; the interior or inside of anything’

825. Proto-Nostratic exclamation **way* ‘woe!’

826. Proto-Nostratic root **waž-* (~ **wəž-*):
(vb.) **waž-* ‘to flow’;
(n.) **waž-a* ‘running water’

827. Proto-Nostratic root **wed-*:
(vb.) **wed-* ‘to strike (with a weapon)’;
(n.) **wed-a* ‘death, ruin, murder; strike, cut, wound, scar; weapon, axe’

828. Proto-Nostratic root **wel-*:
(vb.) **wel-* ‘to slay, to fight’;
(n.) **wel-a* ‘conquest, victory, defeat, slaughter, massacre; fight, battle, attack’

829. Proto-Nostratic root **wel^{y}-*:
(vb.) **wel^{y}-* ‘to be open, to be vacant’;
(n.) **wel^{y}-a* ‘open space, open land, field, meadow’

830. Proto-Nostratic root **wel^{y}-*:
(vb.) **wel^{y}-* ‘to well up, to surge, to flow forth, to flood’;
(n.) **wel^{y}-a* ‘deluge, flood, inundation; surge, wave’

831. Proto-Nostratic root **wet’-*:
(vb.) **wet’-* ‘to wet, to moisten’;
(n.) **wet’-a* ‘water’

832. Proto-Nostratic root **wig-* (~ **weg-*):
(vb.) **wig-* ‘to carry, to convey’;
(n.) **wig-a* ‘burden, load; conveyance, cart, vehicle’

833. Proto-Nostratic root **wil^{y}-* (~ **wel^{y}-*):
(vb.) **wil^{y}-* ‘to become bright, to manifest, to appear, to come into view’;
(n.) **wil^{y}-a* ‘appearance, manifestation; light, brightness, radiance, splendor’;
(adj.) ‘bright, manifest, clear’

834. Proto-Nostratic root **win-* (~ **wen-*) or **wiŋ-* (~ **weŋ-*):
(vb.) **win-* or **wiŋ-* ‘to strive for, to wish for, to desire’;
(n.) **win-a* or **wiŋ-a* ‘wish, desire’

835. Proto-Nostratic (n.) **wir-a* ‘a kind of tree: aspen, alder, poplar, or the like’

836. Proto-Nostratic root (Eurasiatic only) **wos-*:
(vb.) **wos-* ‘to trade, to deal’;
(n.) **wos-a* ‘trade, commerce’

837. Proto-Nostratic root **wot^{h}-*:
(vb.) **wot^{h}-* ‘to take hold of, to seize, to grasp, to collect, to take away’;
(n.) **wot^{h}-a* ‘the act of taking, seizing, grasping’

838. Proto-Nostratic root (Eurasiatic only) **woy-*:
(vb.) **woy-* ‘to make an effort, to act with energy’;

(n.) **woy-a* ‘strength, power’

839. Proto-Nostratic root (vb.) **woy-*:
Extended form:
(vb.) **woy-V-k^{h}-* ‘to arrange or put in order’;
(n.) **woy-k^{h}-a* ‘arrangement, order; straightness, correctness, rectitude’; (adj.) ‘straight, right, correct, true’

840. Proto-Nostratic (n.) **wun-d-a* (~ **won-d-a*) ‘(young, fine, or soft) hair’

841. Proto-Nostratic (n.) **wur-a* (~ **wor-a*) ‘squirrel’

842. Proto-Nostratic root **wur^{y}-* (~ **wor^{y}-*):
(vb.) **wur^{y}-* ‘to scratch, to incise, to dig up’;
(n.) **wur^{y}-a* ‘pit, ditch’

843. Proto-Nostratic root (Eurasiatic only) **wuy-* (~ **woy-*) or **Huy-* (~ **Hoy-*):
(vb.) **wuy-* or **Huy-* ‘to swim, to float’;
(n.) **wuy-a* or **Huy-a* ‘swim, swimming, floating’

PROTO-NOSTRATIC *m

844. Proto-Nostratic indefinite pronoun stem **ma-* (~ **mə-*), **mi-* (~ **me-*), **mu-* (~ **mo-*) ‘one, someone, somebody, anyone, anybody; other, another’:

Note: This may originally have been a demonstrative stem (as suggested by Illič-Svityč), with three degrees of distance:
Proximate: **ma-* (~ **mə-*) ‘this’;
Intermediate: **mi-* (~ **me-*) ‘that’;
Distant: **mu-* (~ **mo-*) ‘that yonder’

As in the stems:

Proximate:	**k^{h}a-* (~ **k^{h}ə-*) ‘this’;	**t^{h}a-* (~ **t^{h}ə-*) ‘this’;
Intermediate:	**k^{h}i-* (~ **k^{h}e-*) ‘that’;	**t^{h}i-* (~ **t^{h}e-*) ‘that’;
Distant:	**k^{h}u-* (~ **k^{h}o-*) ‘that yonder’	**t^{h}u-* (~ **t^{h}o-*) ‘that yonder’

845. Proto-Nostratic (nursery word) (n.) **ma(a)* ‘mother, mommy’, (reduplicated) **mam(m)a*, **mema* ‘mother; (mother’s) breast, milk’; used as a verb, the meaning was probably ‘to suckle, to nurse; to suck (the breast)’

846. Proto-Nostratic negative/prohibitive particle **ma(ʔ)-* (~ **mə(ʔ)-*) ‘no, not’

847. Proto-Nostratic root **maʔ-* (~ **məʔ-*):
(vb.) **maʔ-* ‘to increase (in number), to be abundant, to be many’;
(n.) **maʔ-a* ‘large quantity, plenty, abundance’; (adj.) ‘great, big, large, many, abundant’

848. Proto-Nostratic root **mad-* (~ **məd-*):
(vb.) **mad-* ‘to stretch, to expand, to lengthen, to draw out, to measure out’;
(n.) **mad-a* ‘measure, measurement, amount; extent, limit’
Note also:
(vb.) **mat'-* ‘to stretch, to expand, to lengthen, to draw out, to measure out’;
(n.) **mat'-a* ‘measure, measurement, amount; extent, limit’

849. Proto-Nostratic (n.) **mad-w-a* ‘honey, mead’

850. Proto-Nostratic root **mag-* (~ **məg-*):
(vb.) **mag-* ‘to be of great influence, importance, or power; to be eminent, exalted, highly esteemed, glorious, illustrious’;
(n.) **mag-a* ‘strength, power, might; glory, splendor, magnificence, grandeur, nobility, honor, distinction, excellence’; (adj.) ‘strong, powerful, eminent, exalted, highly esteemed, glorious, illustrious’

851. Proto-Nostratic (Eurasiatic only) (n.) **mag-a* ‘earth, land’

852. Proto-Nostratic (n.) **mag-a* ‘young person, child’; (adj.) ‘young’

853. Proto-Nostratic root **maħ-* (~ **məħ-*):
(vb.) **maħ-* ‘to increase, to swell, to exceed, to surpass, to be great’;
(n.) **maħ-a* ‘bigness, greatness, fullness, excellence’; (adj.) ‘big, great, full’

854. Proto-Nostratic (n.) **mak^{h}-a* ‘neck’

855. Proto-Nostratic root **mak^{h}-* (~ **mək^{h}-*):
(vb.) **mak^{h}-* ‘to deceive, to trick, to cheat; to be deceived, troubled, confused, perplexed’;
(n.) **mak^{h}-a* ‘deception, trickery, confusion’

856. Proto-Nostratic root **mak'-* (~ **mək'-*):
(vb.) **mak'-* ‘to be great, strong, mighty, powerful’;
(n.) **mak'-a* ‘strength, power’; (adj.) ‘great, strong, powerful; much, many’
Note also:
(vb.) **mik'-* ‘to exceed, to surpass, to be in excess, to grow, to increase, to swell, to expand’;

(n.) **mik'-a* ‘growth, excess, increase, abundance, fullness’; (adj.) ‘large, big, great, much’

857. Proto-Nostratic root **mak'-* (~ **mək'-*):
(vb.) **mak'-* ‘to be happy, cheerful; to be pleasant, agreeable’;
(n.) **mak'-a* ‘happiness, joy, pleasure’

858. Proto-Nostratic (n.) **mal-a* ‘hill, mountain’

859. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* ‘to fill, to be or become full, to increase’;
(n.) **mal-a* ‘fullness, abundance’; (adj.) ‘full, filled, abundant, numerous, many’

860. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* ‘to be favorably disposed towards, to care about, to be devoted to, to like’;
(n.) **mal-a* ‘goodness, pleasantness’; (adj.) ‘good, pleasant, pleasing’

861. Proto-Nostratic (n.) **mal-a* ‘honey’

862. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* ‘to draw (out), to squeeze (out), to suck (out); to give suck, to suckle, to nurse’;
(n.) **mal-a* ‘milk; breast’

863. Proto-Nostratic root (Eurasiatic only) **mal-* (~ **məl-*):
(vb.) **mal-* ‘to rub, to wipe, to stroke’;
(n.) **mal-a* ‘the act of rubbing, wiping, stroking’

864. Proto-Nostratic (adj.) **mal-a* ‘other, next, second’

865. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* ‘to bend, to twist, to turn’;
(n.) **mal-a* ‘bend, turn’
Derivative:
(vb.) **mal-* ‘to be confused, perplexed, disturbed, bewildered, mistaken’;
(n.) **mal-a* ‘confusion, perplexity, bewilderment’

866. Proto-Nostratic root **mal-* (~ **məl-*):
(vb.) **mal-* ‘to be confused, perplexed, disturbed, bewildered, mistaken’;
(n.) **mal-a* ‘confusion, perplexity, bewilderment’
Derivative of:
(vb.) **mal-* ‘to bend, to twist, to turn’;
(n.) **mal-a* ‘bend, turn’

867. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* ‘to suckle, to nurse (a child), to breastfeed’;
(n.) **man-a* ‘suckling, young (of humans and animals); breast’

868. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* ‘to count, to reckon’ (> ‘to consider, to think’ > ‘to recount’ > ‘to say, to speak’);
(n.) **man-a* ‘counting, reckoning’
Note: There may be more than one Proto-Nostratic root involved here: (1) **man-* ‘to count, to reckon’ and (2) **man-* ‘to say, to speak’.

869. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* ‘to stay, to remain, to abide, to dwell; to be firm, steadfast, established, enduring’;
(n.) **man-a* ‘dwelling, house, home’

870. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* ‘to protect, to watch over, to stand guard over, to care for, to take care of, to tend’;
(n.) **man-a* ‘protection, care, guardianship; watchman, herdsman, guardian, protector’

871. Proto-Nostratic root **man-* (~ **mən-*):
(vb.) **man-* ‘to swell, to expand, to grow, to increase’;
(n.) **man-a* ‘multitude, crowd, herd, flock’
Related to (extended form):
(vb.) **man-V-g-* ‘to swell, to expand, to grow, to increase’;
(n.) **man-g-a* ‘great number, large amount; abundance; multitude, crowd’; (adj.) ‘many, numerous, copious, abundant; swollen, big, fat, strong’

872. Proto-Nostratic root **man-* (~ **mən-*):
Extended form:
(vb.) **man-V-g-* ‘to swell, to expand, to grow, to increase’;
(n.) **man-g-a* ‘great number, large amount; abundance; multitude, crowd’; (adj.) ‘many, numerous, copious, abundant; swollen, big, fat, strong’
Related to:
(vb.) **man-* ‘to swell, to expand, to grow, to increase’;
(n.) **man-a* ‘multitude, crowd, herd, flock’

873. Proto-Nostratic root **man^{y}-* (~ **mən^{y}-*):
(vb.) **man^{y}-* ‘to lust after, to desire passionately, to copulate with, to have sexual intercourse, to beget’;
(n.) **man^{y}-a* ‘ardent desire, passion, lust’
Derivative:
(n.) **man^{y}-a* ‘progenitor, begetter, man, male; penis’

874. Proto-Nostratic (n.) *man^{y}-*a* ‘progenitor, begetter, man, male; penis’
Derivative of:
(vb.) *man^{y}- ‘to lust after, to desire passionately, to copulate with, to have sexual intercourse, to beget’;
(n.) *man^{y}-*a* ‘ardent desire, passion, lust’

875. Proto-Nostratic root *man^{y}- (~ *$mən^{y}$-):
(vb.) *man^{y}- ‘to hold, to take’;
(n.) *man^{y}-*a* ‘hand, paw’

876. Proto-Nostratic root *maq^{wh}- (~ *$məq^{wh}$-):
(vb.) *maq^{wh}- ‘to twist, to turn; to overturn, to turn upside down, to turn round’;
(n.) *maq^{wh}-*a* ‘twist, turn; overturning’

877. Proto-Nostratic root *mar- (~ *mər-):
(vb.) *mar- ‘to strive against, to oppose, to fight with or against; to argue, to quarrel, to contend, to dispute, to disagree’;
(n.) *mar-*a* ‘quarrel, argument, dispute, fight’

878. Proto-Nostratic (n.) *mar-*a* ‘(young) man, male (human or animal)’

879. Proto-Nostratic root *mar- (~ *mər-):
(vb.) *mar- ‘to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend’;
(n.) *mar-*a* ‘the act of turning, turning over, turning round, etc.; rope, coil, string, cord’
Derivative:
(vb.) *mar- ‘to go (round), to walk, to run; to go after, to run or chase after’ (> ‘to seek, to pursue’);
(n.) *mar-*a* ‘walk, walking, passage; road, track, way’
Note also:
(vb.) *mur- ‘to turn, to twist, to bend’;
(n.) *mur-*a* ‘bend, curve’

880. Proto-Nostratic root *mar- (~ *mər-):
(vb.) *mar- ‘to go (round), to walk, to run; to go after, to run or chase after’ (> ‘to seek, to pursue’);
(n.) *mar-*a* ‘walk, walking, passage; road, track, way’
Derivative of:
(vb.) *mar- ‘to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend’;
(n.) *mar-*a* ‘the act of turning, turning over, turning round, etc.; rope, coil, string, cord’

881. Proto-Nostratic root **mar-* (~ **mər-*):
(vb.) **mar-* ‘to smear, to anoint, to rub (with grease, oil, fat, ointment)’;
(n.) **mar-a* ‘grease, oil, fat, ointment, unguent’

882. Proto-Nostratic root **mar-* (~ **mər-*):
(vb.) **mar-* ‘to soil, to stain’;
(n.) **mar-a* ‘spot, stain, dirt’; (adj.) ‘dark, dirty, soiled’

883. Proto-Nostratic (Eurasiatic only) (n.) **mar-a* ‘marsh, swamp’

884. Proto-Nostratic (n.) **mar-a* ‘tree, wood’

885. Proto-Nostratic root **mar^{y}-* (~ **mər^{y}-*):
(vb.) **mar^{y}-* ‘to be weakened, to wither away, to decay; to be or become sick, to fall ill; to die (from a fatal disease), to perish’;
(n.) **mar^{y}-a* ‘sickness, illness, fatal disease, malady, ailment; death’

886. Proto-Nostratic (n.) **mat^{h}-a* or **met^{h}-a* ‘middle’; (particle) **mat^{h}-* or **met^{h}-* ‘in the middle of, with, among’

887. Proto-Nostratic root **mat’-* (~ **mət’-*):
(vb.) **mat’-* ‘to stretch, to expand, to lengthen, to draw out, to measure out’;
(n.) **mat’-a* ‘measure, measurement, amount; extent, limit’
Note also:
(vb.) **mad-* ‘to stretch, to expand, to lengthen, to draw out, to measure out’;
(n.) **mad-a* ‘measure, measurement, amount; extent, limit’

888. Proto-Nostratic root **mat’-* (~ **mət’-*):
(vb.) **mat’-* ‘to be or become wet, moist’;
(n.) **mat’-a* ‘moisture, wetness; dew, rain’; (adj.) ‘wet, moist’

889. Proto-Nostratic root **maw-* (~ **məw-*):
(vb.) **maw-* ‘to be wet’;
(n.) **maw-a* ‘water, liquid, fluid’

890. Proto-Nostratic root **mel-*:
(vb.) **mel-* ‘to rub’ (> ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’);
(n.) **mel-a* ‘smoothness, softness; weakness’; (adj.) ‘smooth, soft, tender, weak, worn out, tired, weary’
Note also:
(vb.) **mol-* ‘to rub’ (> ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’);

(n.) **mol-a* ‘crumb, piece, morsel; mortar’; (adj.) ‘crushed, ground, worn out or down’

891. Proto-Nostratic interrogative pronoun stem **mi-* (~ **me-*) ‘who?, which?, what?’, relative pronoun stem **ma-* (~ **mə-*) ‘who, which, what’

892. Proto-Nostratic first person singular **mi* (~ **me*) ‘I, me’, first person plural (inclusive) **ma* (~ **mə*) ‘we, us’

Note: in Afrasian and Dravidian, first person singular **mi* and first person plural (inclusive) **ma* have been mostly lost.

893. Proto-Nostratic root **miʔ-* (~ **meʔ-*):
(vb.) **miʔ-* ‘to cut’;
(n.) **miʔ-a* ‘cutting instrument: knife’ (later also ‘sickle, scythe’)

894. Proto-Nostratic root **mig-* (~ **meg-*):
(vb.) **mig-* ‘to give’;
(n.) **mig-a* ‘gift’

895. Proto-Nostratic root **miħ-* (~ **meħ-*):
(vb.) **miħ-* ‘to measure, to mark off’;
(n.) **miħ-a* ‘measure, measurement’

896. Proto-Nostratic root **mik'-* (~ **mek'-*):
(vb.) **mik'-* ‘to exceed, to surpass, to be in excess, to grow, to increase, to swell, to expand’;
(n.) **mik'-a* ‘growth, excess, increase, abundance, fullness’; (adj.) ‘large, big, great, much’
Note also:
(vb.) **mak'-* ‘to be great, strong, mighty, powerful’;
(n.) **mak'-a* ‘strength, power’; (adj.) ‘great, strong, powerful; much, many’

897. Proto-Nostratic (n.) **min-a* ‘(a kind of) fish’

898. Proto-Nostratic root **mir-* (~ **mer-*):
(vb.) **mir-* ‘to stab, to pierce, to wound, to cause pain’;
(n.) **mir-a* ‘wound, pain’

899. Proto-Nostratic root **mol-*:
(vb.) **mol-* ‘to rub’ (> ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’);
(n.) **mol-a* ‘crumb, piece, morsel; mortar’; (adj.) ‘crushed, ground, worn out or down’

Note also:
(vb.) **mel-* ‘to rub’ (> ‘to rub into, to crush, to grind down; to rub smooth, to polish, to wipe; to wear out, to soften; to become worn out, weak, tired, weary’);
(n.) **mel-a* ‘smoothness, softness; weakness’; (adj.) ‘smooth, soft, tender, weak, worn out, tired, weary’

900. Proto-Nostratic (n.) **mor-a* ‘any body of water: sea, lake, flood, stream, pool, cistern, reservoir, basin, canal, channel’

901. Proto-Nostratic **muk’-* (~ **mok’-*):
(vb.) **muk’-* ‘to strain, to make great efforts’;
(n.) **muk’-a* ‘straining (as a woman in labor or as when defecating), effort; fatigue, suffering’

902. Proto-Nostratic root **mun-* (~ **mon-*):
(vb.) **mun-* ‘to protrude, to stand out; to jut out; to be first, foremost, in front of’;
(n.) **mun-a* ‘topmost or most prominent part, highest or farthest point’

903. Proto-Nostratic (n.) **mun-a* ‘egg, testicle’
Extended form (Dravidian and Slavic):
(n.) **mun-d-a* (~ **mon-d-a*) ‘egg, testicle’

904. Proto-Nostratic root **muŋ-* (~ **moŋ-*):
(vb.) **muŋ-* ‘to torment, to torture, to afflict; to cause pain, trouble, distress, suffering, difficulty; to suffer; to be in pain, trouble, distress, suffering, difficulty’;
(n.) **muŋ-a* ‘suffering, pain, malady, difficulty, distress, affliction, calamity, misery’

905. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* ‘to crush, to break, to destroy’;
(n.) **mur-a* ‘break, breach, rupture, fracture’; (adj.) ‘crushed, broken, destroyed, ruptured, mutilated; weakened’

906. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* ‘to turn, to twist, to bend’;
(n.) **mur-a* ‘bend, curve’
Note also:
(vb.) **mar-* ‘to turn: to overturn, to turn round, to turn over, etc.; to twist, to whirl, to roll; to bend’;
(n.) **mar-a* ‘the act of turning, turning over, turning round, etc.; rope, coil, string, cord’

907. Proto-Nostratic (Eurasiatic only) (n.) **mur-a* ‘mulberry, blackberry’

908. Proto-Nostratic root **mur-* (~ **mor-*):
(vb.) **mur-* ‘to make noise, to make sound, to murmur’;
(n.) **mur-a* ‘noise, sound, murmur’
Reduplicated:
(vb.) **mur-mur-* ‘to make noise, to make sound, to murmur’;
(n.) **mur-mur-a* ‘noise, sound, murmur’

909. Proto-Nostratic root **mus^{y}-* (~ **mos^{y}-*):
(vb.) **mus^{y}-* ‘to immerse, dip, or plunge in water, to bathe’;
(n.) **mus^{y}-a* ‘immersion, dip, plunge, bath’
Extended form (Indo-European and Uralic):
(vb.) **mus^{y}-V-k’-* ‘to immerse, dip, or plunge in water, to bathe’;
(n.) **mus^{y}-k’-a* ‘immersion, dip, plunge, bath’

910. Proto-Nostratic root **muy-* (~ **moy-*):
(vb.) **muy-* ‘to return, to give back’;
(n.) **muy-a* ‘that which is returned or given back: return, recompense, requital, repayment, etc.’

PROTO-NOSTRATIC *n

911. Proto-Nostratic first person singular personal pronoun **na* (~ **nə*) ‘I, me’

Note: On the basis of Dravidian (and possibly Altaic), the original form of this stem may have been **ŋa* (~ **ŋə*), but this is not certain. Sumerian [Emegir] *g̃á.e* [= /ŋa-/] ‘I’ supports such a reconstruction as well.

912. Proto-Nostratic first person plural exclusive personal pronoun **na* (~ **nə*) ‘we, us’

913. Proto-Nostratic deictic particle **na* (~ **nə*), **ni* (~ **ne*) ‘this, that’

914. Proto-Nostratic interrogative-relative particle **na-* (~ **nə-*)

915. Proto-Nostratic negative/prohibitive particle **na* (~ **nə*), **ni* (~ **ne*), **nu* (~ **no*) ‘no, not’

916. Proto-Nostratic root **naʕ-* (~ **nəʕ-*):
(vb.) **naʕ-* ‘to come, to go, to journey, to travel’;
(n.) **naʕ-a* ‘journey’

917. Proto-Nostratic root *nab- (~ *$nəb$-):
(vb.) *nab- ‘to burst forth, to gush forth’;
(n.) *nab-a ‘a bursting or gushing forth’
Derivative:
(n.) *nab-a ‘heavy rain, storm cloud, cloudy sky’

918. Proto-Nostratic (n.) (Eurasiatic only) *nab-a ‘heavy rain, storm cloud, cloudy sky’
Derivative of:
(vb.) *nab- ‘to burst forth, to gush forth’;
(n.) *nab-a ‘a bursting or gushing forth’

919. Proto-Nostratic root *nad^{y}- (~ *$nəd^{y}$-):
(vb.) *nad^{y}- ‘to press, to crush, to mash’;
(n.) *nad^{y}-a ‘anything crushed or mashed’

920. Proto-Nostratic root *nad^{y}- (~ *$nəd^{y}$-):
(vb.) *nad^{y}- ‘to vex, to disturb, to annoy, to irritate, to agitate; to be annoying, irritating, malicious, rude, bad, mean, base’;
(n.) *nad^{y}-a ‘vexation, disturbance, annoyance, irritation, trouble’; (adj.) ‘annoying, irritating, malicious, rude, bad, mean, base’

921. Proto-Nostratic root *nag- (~ *$nəg$-):
(vb.) *nag- ‘to strike, to split, to pierce, to stab’;
(n.) *nag-a ‘stroke, blow, wound’

922. Proto-Nostratic root *$naħ$- (~ *$nəħ$-):
(vb.) *$naħ$- ‘to tremble, to shake; to fear, to be afraid’;
(n.) *$naħ$-a ‘fear’

923. Proto-Nostratic (n.) *nak^{h}-a ‘(animal) skin, pelt, hide’

924. Proto-Nostratic root *nak^{wh}- (~ *$nək^{wh}$-):
(vb.) *nak^{wh}- ‘to lie down, to go to sleep, to go to bed’;
(n.) *nak^{wh}-a ‘bedtime, evening, nighttime’

925. Proto-Nostratic root *nap^{h}- (~ *$nəp^{h}$-), *nip^{h}- (~ *nep^{h}-), *nup^{h}- (~ *nop^{h}-):
(vb.) *nap^{h}-, *nip^{h}-, *nup^{h}- ‘to breathe, to blow’;
(n.) *nap^{h}-a, *nip^{h}-a, *nup^{h}-a ‘breath, life’

926. Proto-Nostratic (n.) *nat'-a ‘woman, female relative’

927. Proto-Nostratic root *nat'- (~ *$nət'$-):
(vb.) *nat'- ‘to moisten, to wet’;
(n.) *nat'-a ‘wetness, dampness, moistness’; (adj.) ‘wet, damp, moist’

928. Proto-Nostratic (n.) **ner-a* ‘the highest, foremost, or most prominent person or thing’

929. Proto-Nostratic root **net'ʸ-*:
(vb.) **net'ʸ-* ‘to turn, to twist together, to tie, to bind, to weave, to entwine’;
(n.) **net'ʸ-a* ‘anything twisted together, woven, entwined: mat, net, web, etc.; weaving, entwining, braiding’

930. Proto-Nostratic second person personal pronoun stem **ni* (~ **ne*) and/or **na* (~ **nə*) ‘you’

931. Proto-Nostratic root **nikʰ-* (~ **nekʰ-*):
(vb.) **nikʰ-* ‘to strike, to hit’;
(n.) **nikʰ-a* ‘injury, harm, damage, wound, murder, destruction; suffering, pain’

932. Proto-Nostratic root **nit̪ʰ-* (~ **net̪ʰ-*):
(vb.) **nit̪ʰ-* ‘to lift (up), to raise; to carry, to take; to rise, to arise’;
(n.) **nit̪ʰ-a* ‘the act of lifting, raising, carrying’

933. Proto-Nostratic (particle) **nu* ‘now, at present, currently’

934. Proto-Nostratic root **nusʸ-* (~ **nosʸ-*):
(vb.) **nusʸ-* ‘to be small, minute, soft, weak, delicate’;
(n.) **nusʸ-a* ‘smallness, insufficiency, decrease, diminishment’; (adj.) ‘small, minute, soft, weak, delicate’
Derivatives:
(n.) **nusʸ-a* ‘woman, female; any female connected by marriage: wife, bride, sister-in-law, daughter-in-law’
(vb.) **nusʸ-* ‘to be weakened, debilitated, sick; to ache, to suffer, to be in pain’;
(n.) **nusʸ-a* ‘weakness, sickness, disease, malady, ache, pain, affliction’

935. Proto-Nostratic (n.) **nusʸ-a* ‘woman, female; any female connected by marriage: wife, bride, sister-in-law, daughter-in-law’
Derivative of:
(vb.) **nusʸ-* ‘to be small, minute, soft, weak, delicate’;
(n.) **nusʸ-a* ‘smallness, insufficiency, decrease, diminishment’; (adj.) ‘small, minute, soft, weak, delicate’

Semantic development as in Naikṛi *koraḷ* ‘daughter-in-law, bride’ and Telugu *kōḍalu* ‘daughter-in-law’, both from the same stem found in Tamil *kuṛa* ‘young, tender’, Kannaḍa *koḍa* ‘tenderness, tender age, youth’, Tuḷu *korè* ‘weak, small’, etc.

936. Proto-Nostratic root *nus^{y}- (~ *nos^{y}-):
(vb.) *nus^{y}- ‘to be weakened, debilitated, sick; to ache, to suffer, to be in pain’;
(n.) *nus^{y}-*a* ‘weakness, sickness, disease, malady, ache, pain, affliction’
Derivative of:
(vb.) *nus^{y}- ‘to be small, minute, soft, weak, delicate’;
(n.) *nus^{y}-*a* ‘smallness, insufficiency, decrease, diminishment’; (adj.) ‘small, minute, soft, weak, delicate’

PROTO-NOSTRATIC *n^{y}

937. Proto-Nostratic root *$n^{y}aʕ$- (~ *$n^{y}əʕ$-):
Extended form:
(vb.) *$n^{y}aʕ$-*V*-*r*- ‘to appear, to arise, to sprout, to come into being; to grow (up), to mature’;
(n.) *$n^{y}aʕ$-*r*-*a* ‘shoot, sprout, seedling’
Derivative:
(n.) *$n^{y}aʕ$-*r*-*a* ‘young man, boy, youth’

938. Proto-Nostratic (n.) *$n^{y}aʕ$-*r*-*a* ‘young man, boy, youth’
Derivative of:
(vb.) *$n^{y}aʕ$-*V*-*r*- ‘to appear, to arise, to sprout, to come into being; to grow (up), to mature’;
(n.) *$n^{y}aʕ$-*r*-*a* ‘shoot, sprout, seedling’

939. Proto-Nostratic root *$n^{y}am$- (~ *$n^{y}əm$-):
(vb.) *$n^{y}am$- ‘to press, to squeeze’;
(n.) *$n^{y}am$-*a* ‘pressing, squeezing’

940. Proto-Nostratic (n.) *$n^{y}ap^{h}$-*a* ‘offspring, descendant, young one’

941. Proto-Nostratic root *$n^{y}uk^{h}$- (~ *$n^{y}ok^{h}$-):
(vb.) *$n^{y}uk^{h}$- ‘to shake, to tremble’;
(n.) *$n^{y}uk^{h}$-*a* ‘shaking, trembling’

PROTO-NOSTRATIC *l

942. Proto-Nostratic root *lab- (~ *ləb-):
(vb.) *lab- ‘to take hold of, to grasp’;
(n.) *lab-*a* ‘taking, grasping’
Possible derivative:
(vb.) *lab- ‘to eat greedily, to lap (up), to suck milk’;
(n.) *lab-*a* ‘eating, sucking’

943. Proto-Nostratic root **lab-* (~ **ləb-*):
(vb.) **lab-* ‘to eat greedily, to lap (up), to suck milk’;
(n.) **lab-a* ‘eating, sucking’
Possibly related to or derived from:
(vb.) **lab-* ‘to take hold of, to grasp’;
(n.) **lab-a* ‘taking, grasping’

Assuming semantic development from ‘to grasp with the teeth’ > ‘to eat greedily’ as in Proto-Tungus **laba-da-* ‘to eat greedily’.

944. Proto-Nostratic root **lag-* (~ **ləg-*):
(vb.) **lag-* ‘to put, place, lay, or set down’;
(n.) **lag-a* ‘the act of putting, placing, laying, or setting down’

945. Proto-Nostratic root **lah-* (~ **ləh-*):
(vb.) **lah-* ‘to shine, to blaze, to burn’;
(n.) **lah-a* ‘shining, blazing, burning’

946. Proto-Nostratic root **laħ-* (~ **ləħ-*):
(vb.) **laħ-* ‘to make flow, to pour, to moisten, to wet’;
(n.) **laħ-a* ‘flowing, pouring; moistness, wetness’

947. Proto-Nostratic root **laħ-* (~ **ləħ-*):
(vb.) **laħ-* ‘to strike, to fight’;
(n.) **laħ-a* ‘fight, battle, slaughter’

948. Proto-Nostratic root **lak^{h}-* (onomatopoetic):
(vb.) **lak^{h}-* ‘to lick, to lap up’;
(n.) **lak^{h}-a* ‘licking’

949. Proto-Nostratic **lak^{h}-* (~ **lək^{h}-*):
(vb.) **lak^{h}-* ‘to go on foot, to travel on foot’;
(n.) **lak^{h}-a* ‘leg, foot’

950. Proto-Nostratic root **lak’-* (~ **lək’-*):
(vb.) **lak’-* ‘to gather, to collect’;
(n.) **lak’-a* ‘collection’; (adj.) ‘gathered, collected, picked, chosen’

951. Proto-Nostratic root **lak’-* (~ **lək’-*), **lik’-* (~ **lek’-*), **luk’-* (~ **lok’-*) (onomatopoetic):
(vb.) **lak’-*, **lik’-*, **luk’-* ‘to lick’;
(n.) **lak’-a*, **lik’-a*, **luk’-a* ‘licking’

952. Proto-Nostratic root **lam-* (~ **ləm-*):
(vb.) **lam-* ‘to bend down, to stoop down, to sink down, to lie down, to duck down; to be or become bent down, curved down; to be low’;
(n.) **lam-a* ‘lowland, low-lying ground, any piece of land’; (adj.) ‘low’
Extended form:
(vb.) **lam-V-d-* ‘to bend down, to stoop down, to sink down, to lie down, to duck down; to be or become bent down, curved down; to be low’;
(n.) **lam-d-a* ‘lowland, low-lying ground, any piece of land’; (adj.) ‘low’

953. Proto-Nostratic root **las^{y}-* (~ **ləs^{y}-*), **lis^{y}-* (~ **les^{y}-*), **lus^{y}-* (~ **los^{y}-*) (?) (onomatopoetic):
(vb.) **las^{y}-*, **lis^{y}-*, **lus^{y}-* ‘to lick, to lap (up)’;
(n.) **las^{y}-a*, **lis^{y}-a*, **lus^{y}-a* ‘tongue; lip’

954. Proto-Nostratic (n.) **lat^{h}-a* ‘skin’

955. Proto-Nostratic root **law-* (~ **ləw-*):
(vb.) **law-* ‘to bend, to twist, to turn’;
(n.) **law-* ‘bend, twist, turn’

956. Proto-Nostratic root **law-* (~ **ləw-*):
(vb.) **law-* ‘to shine’;
(n.) **law-a* ‘light, glow’; (adj.) ‘shining, gleaming, glowing, bright’

957. Proto-Nostratic root **law-* (~ **ləw-*):
(vb.) **law-* ‘to separate, to divide, to part, to sever, to detach’;
(n.) **law-a* ‘part cut off, separation, division’

958. Proto-Nostratic root **law-* (~ **ləw-*):
Extended form:
(vb.) **law-V-ħ-* ‘to moisten, to water; to wash, to clean’;
(n.) **law-ħ-a* ‘the act of bathing, washing’

959. Proto-Nostratic root **lax^{w}-* (~ **ləx^{w}-*):
(vb.) **lax^{w}-* ‘to strike, to hit, to beat’;
(n.) **lax^{w}-a* ‘the act of striking, hitting, beating; stroke, hit, blow’

960. Proto-Nostratic root **liʔ-* (~ **leʔ-*):
(vb.) **liʔ-* ‘to come into being, to arise, to grow, to become’;
(n.) **liʔ-a* ‘being, becoming’

961. Proto-Nostratic root **lip’-* (~ **lep’-*):
(vb.) **lip’-* ‘to form, to fashion, to mold’;
(n.) **lip’-a* ‘form, mold’

PROTO-NOSTRATIC *r

962. Proto-Nostratic root **raʔ-* (~ **rəʔ-*):
(vb.) **raʔ-* ‘to see, to perceive’;
(n.) **raʔ-a* ‘sight, observation, perception’; (adj.) ‘seeing, perceiving’
Extended form:
(vb.) **raʔ-V-y-* ‘to see, to perceive’;
(n.) **raʔ-y-a* ‘sight, observation, perception’; (adj.) ‘seeing, perceiving’

963. Proto-Nostratic root **rag-* (~ **rəg-*):
(vb.) **rag-* ‘to stir, to move, to shake’;
(n.) **rag-a* ‘trembling, quaking, shaking, rocking; movement; collapse (from shaking)’

964. Proto-Nostratic root **rak^h-* (~ **rək^h-*):
(vb.) **rak^h-* ‘to twist, to turn, to bend; to tie, to bind, to fasten’;
(n.) **rak^h-a* ‘twist, turn, bend; tie, bond, cord’
Derivative:
(vb.) **rak^h-* ‘to put, join, fit, or fasten (together); to assemble, to prepare, to construct’;
(n.) **rak^h-a* ‘the act of putting, joining, fitting, or fastening (together); the act of assembling, preparing, constructing’

965. Proto-Nostratic root **rak^h-* (~ **rək^h-*):
(vb.) **rak^h-* ‘to put, join, fit, or fasten (together); to assemble, to prepare, to construct’;
(n.) **rak^h-a* ‘the act of putting, joining, fitting, or fastening (together); the act of assembling, preparing, constructing’
Derivative of:
(vb.) **rak^h-* ‘to twist, to turn, to bend; to tie, to bind, to fasten’;
(n.) **rak^h-a* ‘twist, turn, bend; tie, bond, cord’

966. Proto-Nostratic root **rak’-* (~ **rək’-*):
(vb.) **rak’-* ‘to stretch, to extend, to draw out’;
(n.) **rak’-a* ‘the act of stretching, extending, drawing out; stretch, extension’; (adj.) ‘stretched, extended, drawn out’

967. Proto-Nostratic root **rak’-* (~ **rək’-*):
(vb.) **rak’-* ‘to observe, to watch, to regard attentively; to supervise, to control’;
(n.) **rak’-a* ‘observation, watchfulness, care, protection’

968. Proto-Nostratic root **raq’-* (~ **rəq’-*):
(vb.) **raq’-* ‘to move quickly, to move back and forth’;
(n.) **raq’-a* ‘any rapid motion: shaking, trembling, jumping, dancing, etc.’

969. Proto-Nostratic root *rat^h- (~ *$rət^h$-):
(vb.) *rat^h- ‘to turn, to roll; to run’;
(n.) *rat^h-*a* ‘turning, rolling; running’

970. Proto-Nostratic root *raw- (~ *rəw-):
Extended form:
(vb.) *raw-*V*-ħ- ‘to be spacious, wide’;
(n.) *raw-ħ-*a* ‘space, room’; (adj.) ‘spacious, wide’

971. Proto-Nostratic root *rek’-:
(vb.) *rek’- ‘to sprinkle, to spray, to wet, to moisten’;
(n.) *rek’-*a* ‘sprinkling, spray, rain’

972. Proto-Nostratic root *riy- (~ *rey-):
(vb.) *riy- ‘to prosper, to thrive, to flourish, to increase, to grow’;
(n.) *riy-*a* ‘increase, growth, prosperity, wealth’

973. Proto-Nostratic root *rom-:
(vb.) *rom- ‘to stop, to rest, to relax’;
(n.) *rom-*a* ‘rest, quietude, calmness, tranquility, relaxation’; (adj.) ‘quiet, tranquil, still, gentle, silent, relaxed’

974. Proto-Nostratic root *row-:
(vb.) *row- ‘to cut, tear, or break apart’;
(n.) *row-*a* ‘cut, tear’

975. Proto-Nostratic root *rum- (~ *rom-):
(vb.) *rum- ‘to grow or become dark; to darken’;
(n.) *rum-*a* ‘darkness, night; twilight, dusk’; (adj.) ‘dark’